Brazoria County Crime Lab

Seized Drugs Section

GC-MS Maintenance Log

Instrument: GCMS-3 **onth Year:** September 2025

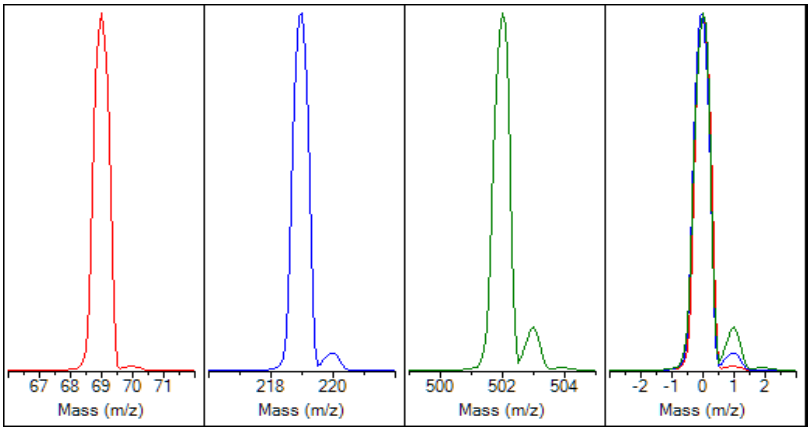
Entry Number	te	He Tank Pressure	Autotune	Septum Change	Wash Vials Filled	iner Change	Gold Seal Replaced	Column Cut	Computer Restarted	Maintenance/ PM	Analyst/ Technician	Com ents	Initials
1	9/2/2025	1450	Pass	N/A	✓	N/A	N/A	N/A	N/A	Maintenance	Analyst		KB
2	9/8/2025	600	Pass	N/A	✓	N/A	N/A	N/A	N/A	Maintenance	Analyst	Gas Filter changed	DS
3	9/9/2025	2600	Pass	N/A	N/A	N/A	N/A	N/A	N/A	Maintenance	Analyst	He cylinder change due to leak in SD-3 ga filter	DS
4	9/15/2025	1850	Pass	N/	✓	N/A	N/A	N/A	N/A	Maintenance	Analyst		DN
5	9/22/2025	875	Pass	N/A	✓	N/A	N/A	N/A	N/A	intenance	nalyst		KB
6	9/29/2025	2400		✓	✓	✓	N/A	N/A	N/A	aintenance	Analyst	He cylinder change on 09/27/2025 by DS	KB

Signature Derek Sanders **Dat** 10/02/2025

Autotune - 5977

9/2/2025 6:42:11 AM (UTC-5:00) BCCL SD GCMS 3

D:\MASSHUNTER\GCMS\1\5977\atune.u US1329M205



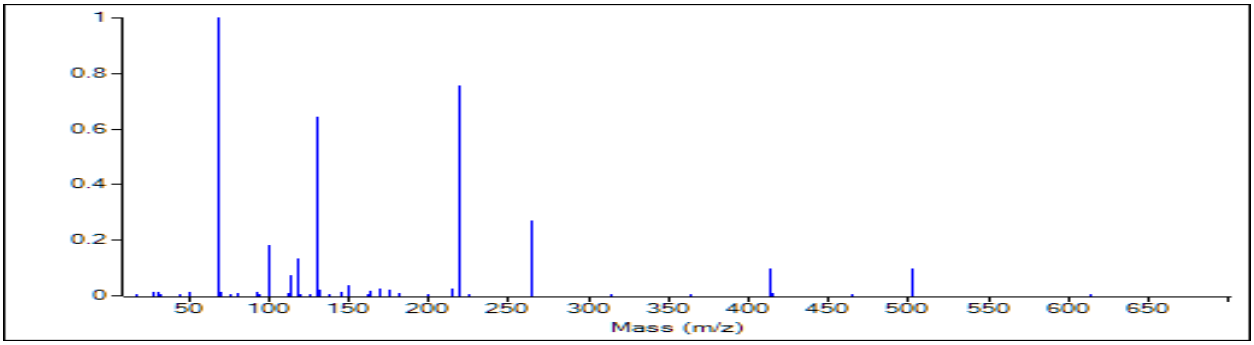
Ion Polarity	Pos	Mass Gain	-359
Emission	34.6	Mass Offset	-34
Electron Energy	70.0	Amu Gain	1677
Filament	2	Amu Offset	120.13
Repeller	33.70	Width219	-0.017
Ion Focus	90.3	DC Polarity	Pos
Entrance Lens	15.1	HED Enable	On
Ent Lens Offset	13.57	EM Volts	1970.5
Ion Body	0.00	Extractor Lens	0.00
		Scan Speed	3
		Averages	3
PFTBA	Open	Step Size	0.10

Temperatures and Pressures

MS Source	230	Turbo Speed	100.0
MS Quad	150	Hi Vac	8.66e-06

Mass	Abund	Rel Abund	Pw50
69.00	439,554	100.0%	0.60
219.00	329,453	75.0%	0.60
502.00	44,588	10.1%	0.59

Low	High	Step	Speed	Threshold	Peaks	Base	Abundance	Total Ion
10.00	701.00	0.10	3	100	100	69.00	418,176	1,525,692



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	418,176	100.00	70.00	4,413	1.06
219.00	315,648	75.48	220.00	13,109	4.15
502.00	41,088	9.83	503.00	3,964	9.65

Air/Water Check: H20 ~0.4% N2 ~1.3% O2 ~0.4% CO2 ~0.2% N2/H20 ~349.8%

Column(1) Flow: 0.80 Column(2): 0.00 ml/min Interface Temp: 280

Ramp Criteria:

Ion Focus maximum 90 volts using ion 502; Electron Multiplier Gain 168716.830

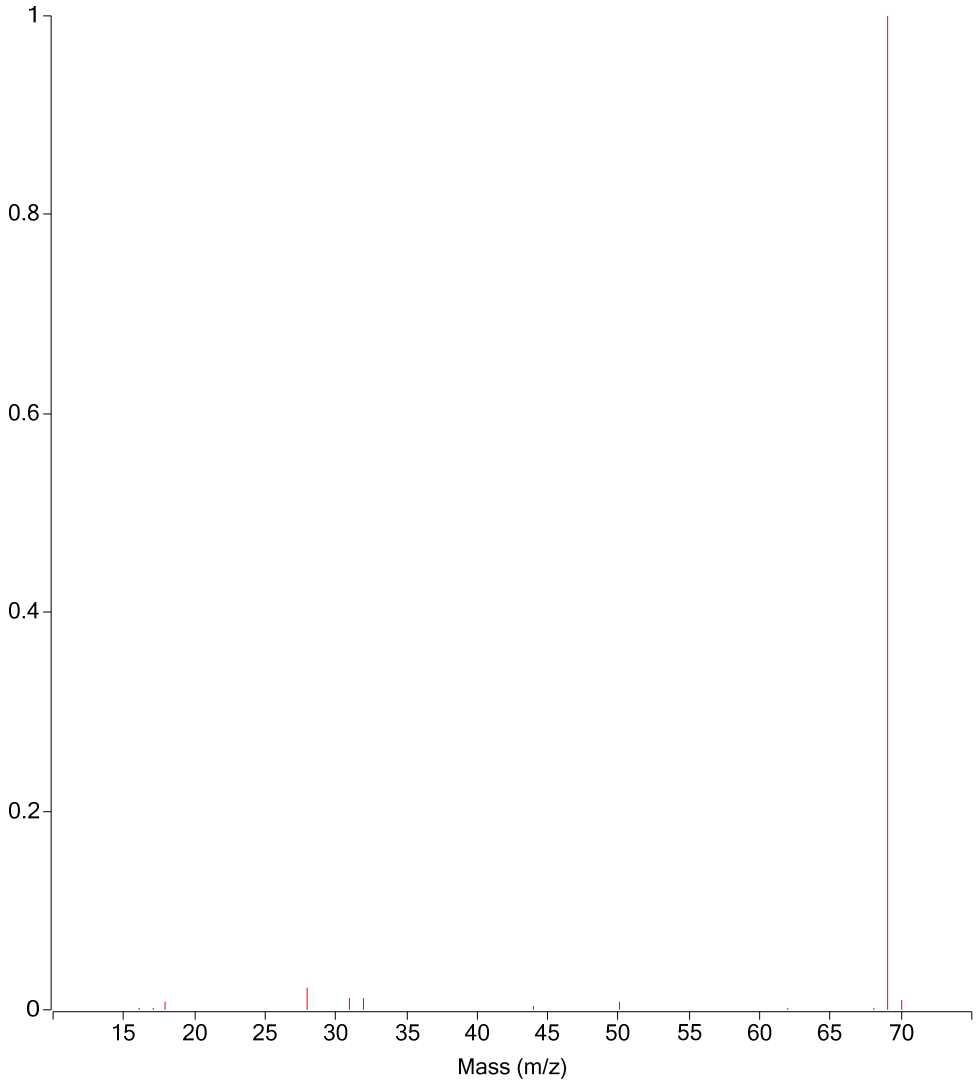
Repeller maximum 35 volts using ion 219; Gain Factor 1.6872

Mass Gain Values(Scan Speed): -362(3) -347(2) -362(1) -348(0) -296(FS1) -391(FS2)

TARGET MASS:	50	69	131	219	414	502	1050
Amu Offset	120.1	120.1	120.1	120.1	120.1	120.1	120.1
Entrance Lens Offset	13.6	13.6	13.6	13.6	13.6	13.6	13.6

597x Air and Water Check

Instrument: BCCL SD GCMS 3
Tue Sep 02 06:34:57 2025 D:\MassHunter\GCMS\1\5977\



Current Params used: atune.u

Relative abundances:

18/69 =	0.88	Water%	(counts=8391)
28/69 =	2.26	Nitrogen%	(counts=21576)
32/69 =	1.24	Oxygen%	(counts=11827)
44/69 =	0.33	Carbon Dioxide%	(counts=3127)
28/18 =	257.13	Nitrogen/Water%	

Instrument Name : BCCL SD GCMS 3
DC Polarity : Positive
Filament 2

BasePeak should be 69 or 219		OK
Position of mass 69	69.00	OK
Position of mass 219	219.00	OK
Position of mass 502	502.00	OK
Position of isotope mass 70	70.00	OK
Position of isotope mass 220	220.00	OK
Position of isotope mass 503	502.99	OK
Ratio of mass 70 to mass 69(0.5 - 1.6%)	1.11	OK
Ratio of mass 220 to mass 219(3.2 - 5.4%)	4.33	OK
Ratio of mass 503 to mass 502(7.9 - 12.3%)	10.16	OK
Ratio of 219 to 69 should be > 40% and is	78.72	OK
Ratio of 502 to 69 should be > 2.4% and is	10.62	OK
Mass 69 Precursor (<= 3%)	0.23	OK
Mass 219 Precursor (<= 6%)	0.70	OK
Mass 502 Precursor (<= 12%)	0.91	OK

597x Air and Water Check
Tue Sep 02 06:52:40 2025 Instrument: BCCL SD GCMS 3
D:\MASSHUNTER\GCMS\1\5977\atune.u US1329M205

Testing for a leak in the system

Ratio of 18 to 69 (<20%)	0.37	OK
Ratio of 28 to 69 (<10%)	1.60	OK
Electron Multiplier Voltage	1971	OK

Tune portion of System Verification passed.

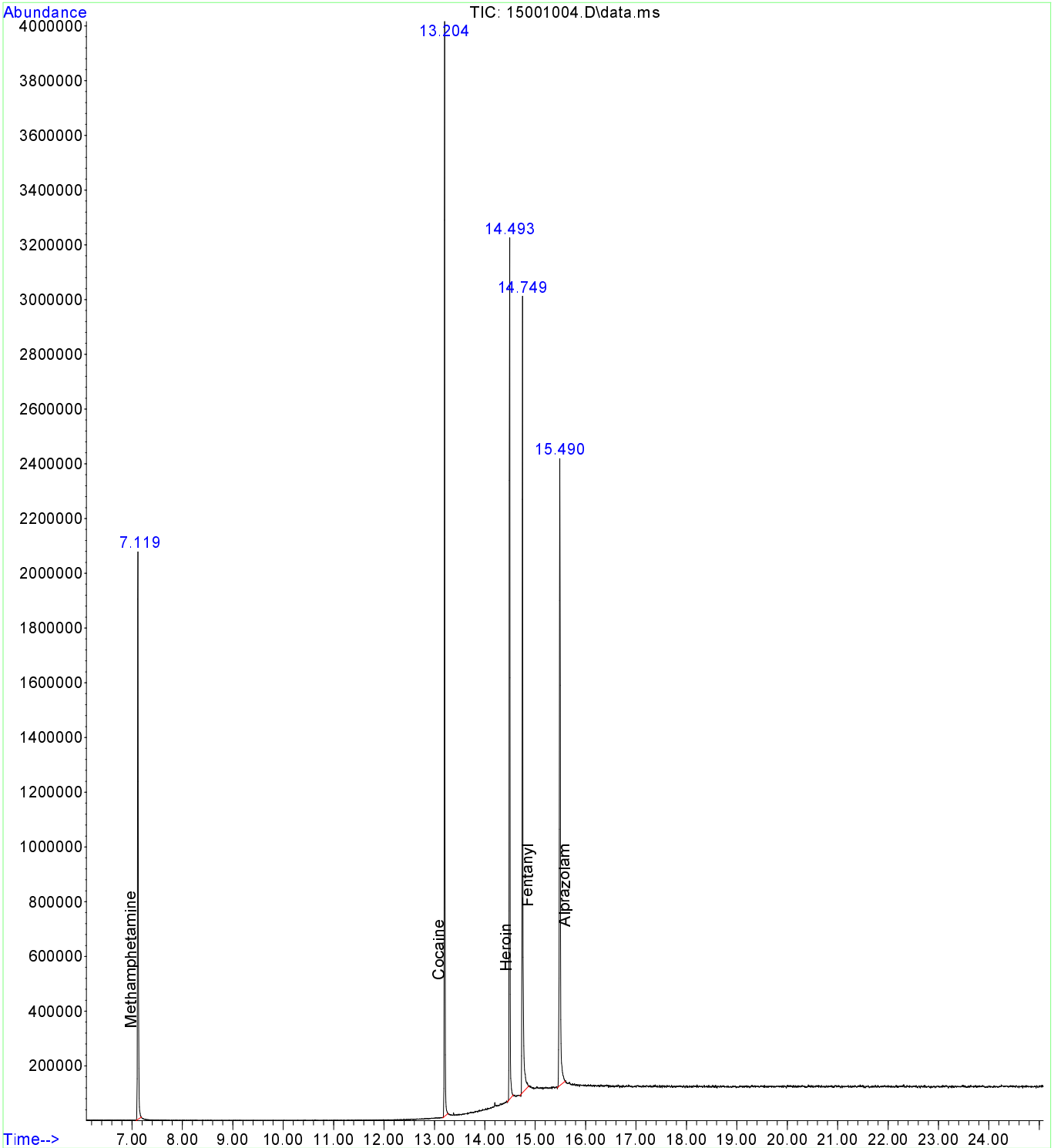
BCCL GC/MS #3
Retention Times for the Week of:

09/01/2025 - 09/07/2025

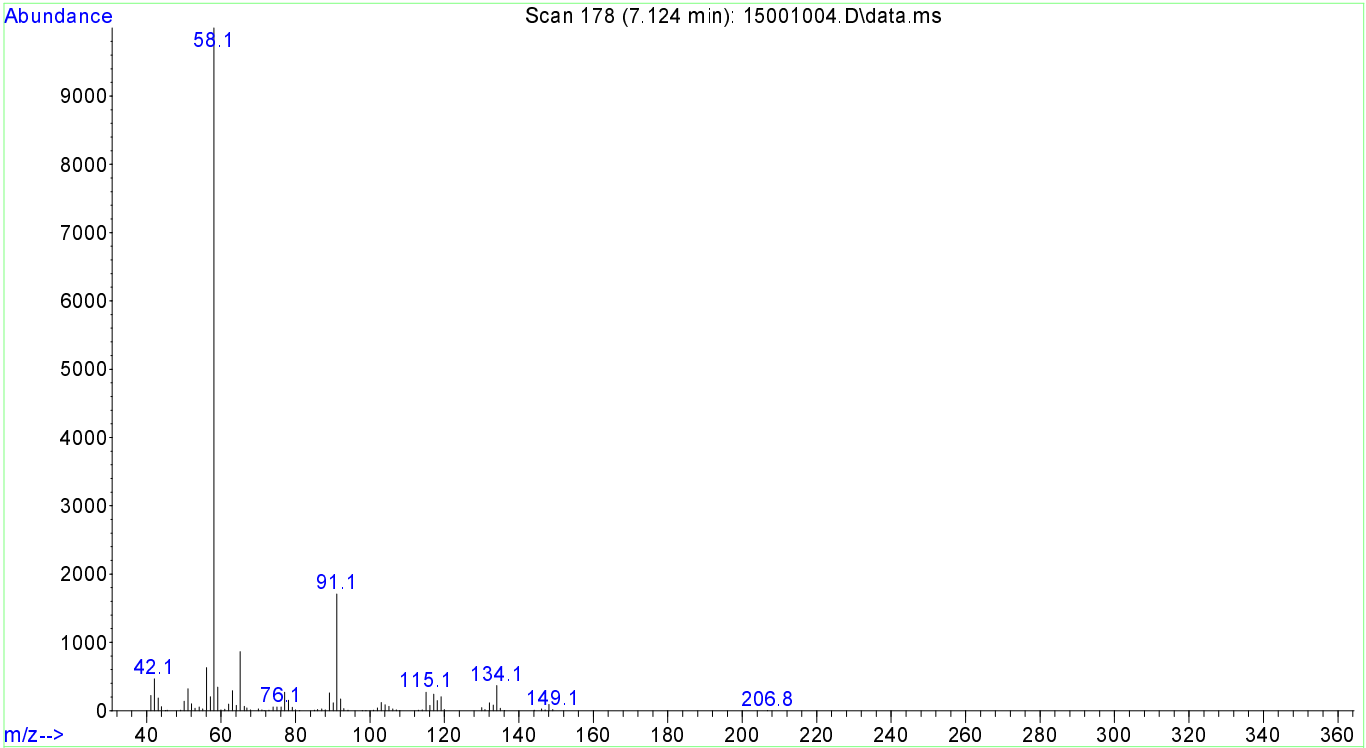
[X] **Tune: KB 09/02/2025 - Autotune**

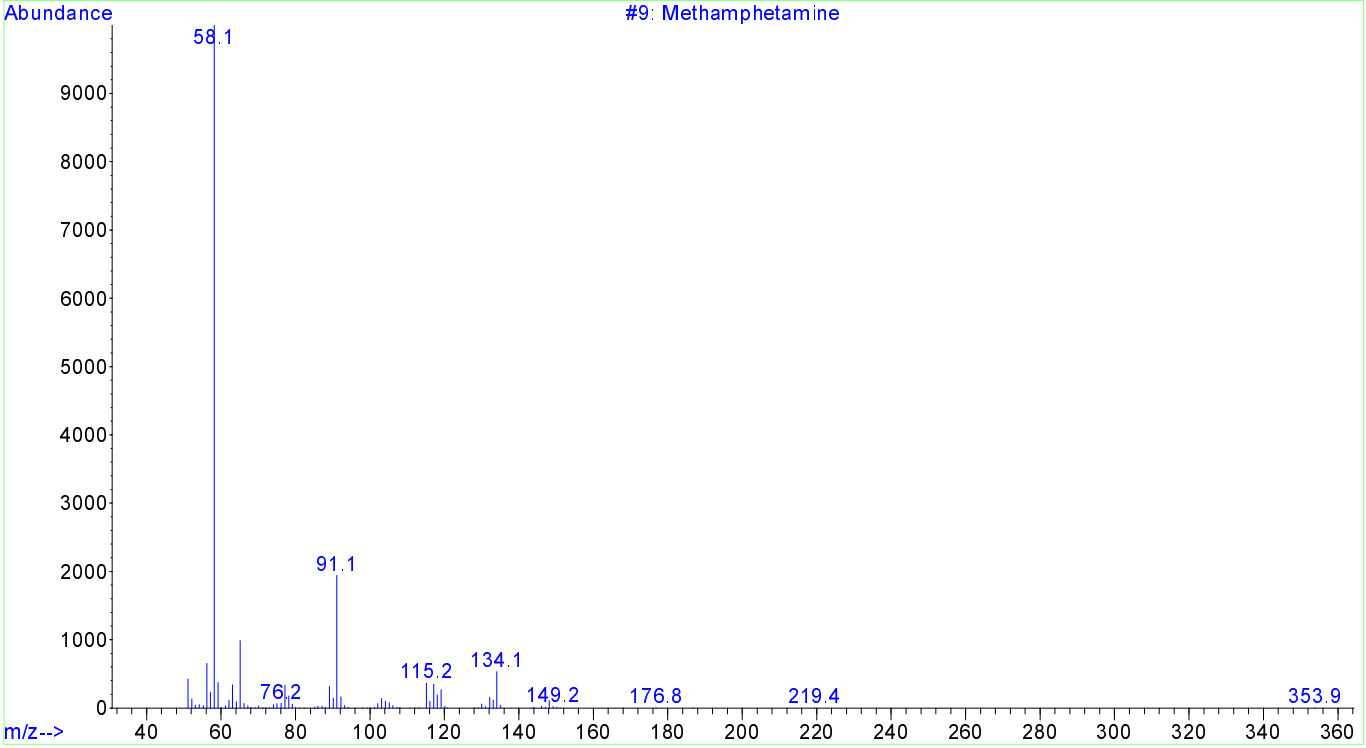
Standard	Standard #	Method	Retention Time	1% Window	
Methamphetamine	R-25-0018	DrugTest35	7.119	7.047	7.190
Cocaine	R-25-0018	DrugTest35	13.204	13.071	13.336
Heroin	R-25-0018	DrugTest35	14.493	14.348	14.637
Fentanyl	R-25-0018	DrugTest35	14.749	14.601	14.896
Alprazolam	R-25-0018	DrugTest35	15.490	15.335	15.644

```
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...          Data\090225\15001004.D
Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 02 Sep 2025  08:12     using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-25-0018)                  000002285
Misc Info  :                                                 000002285
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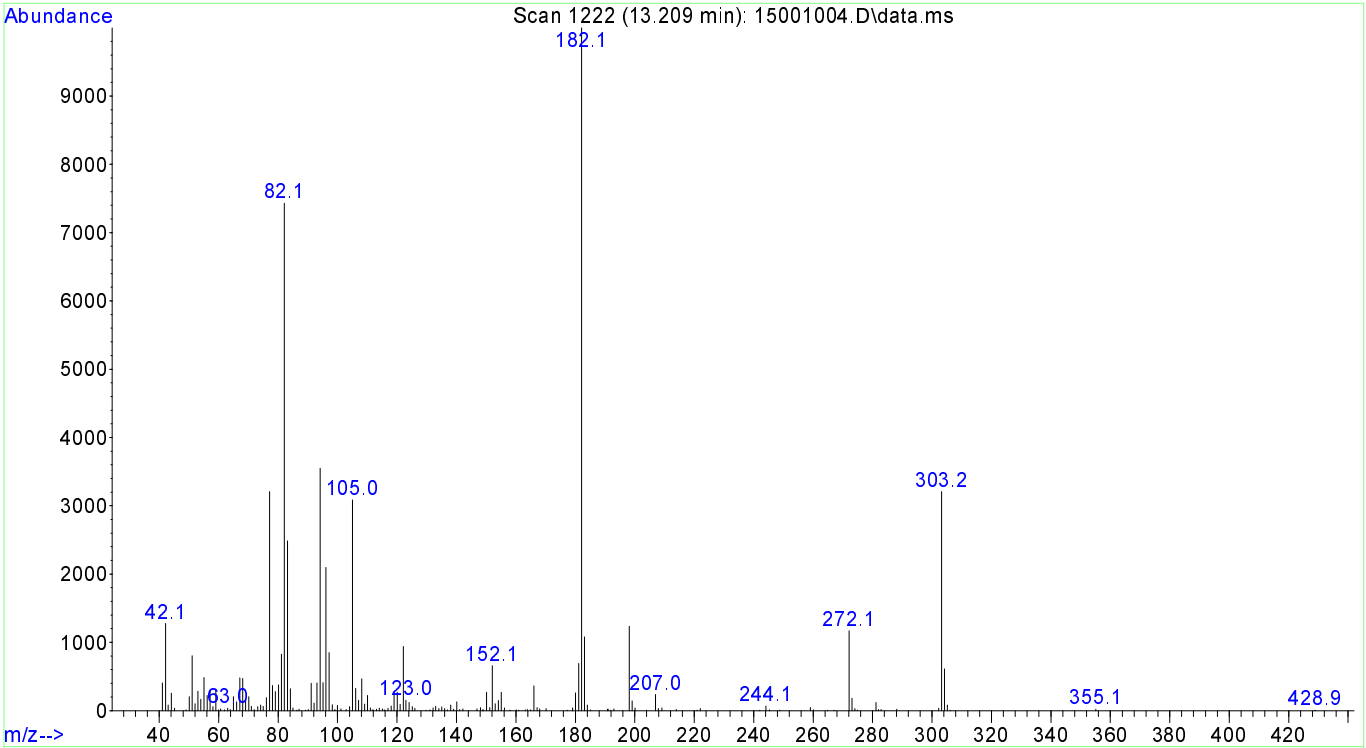


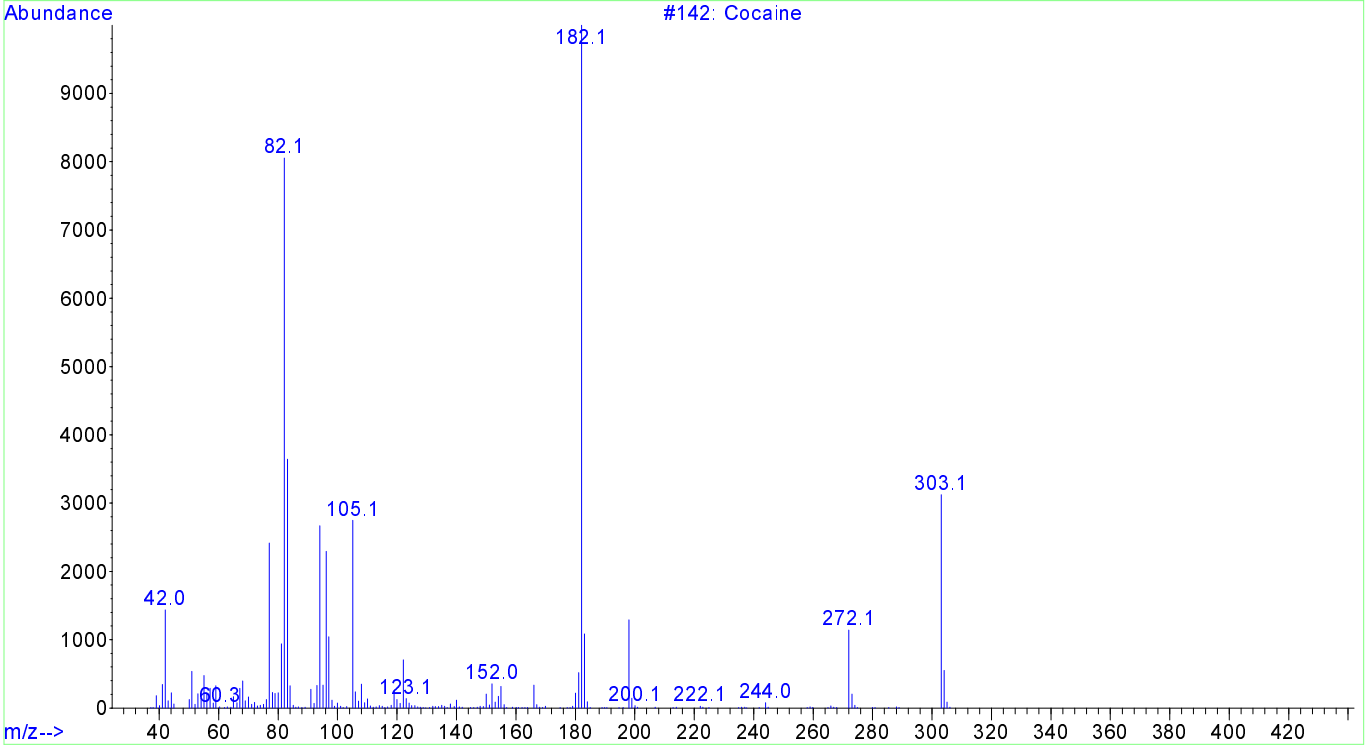
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...          Data\090225\15001004.D
Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 02 Sep 2025  08:12     using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-25-0018)                  000002285
Misc Info  :                                                 000002285
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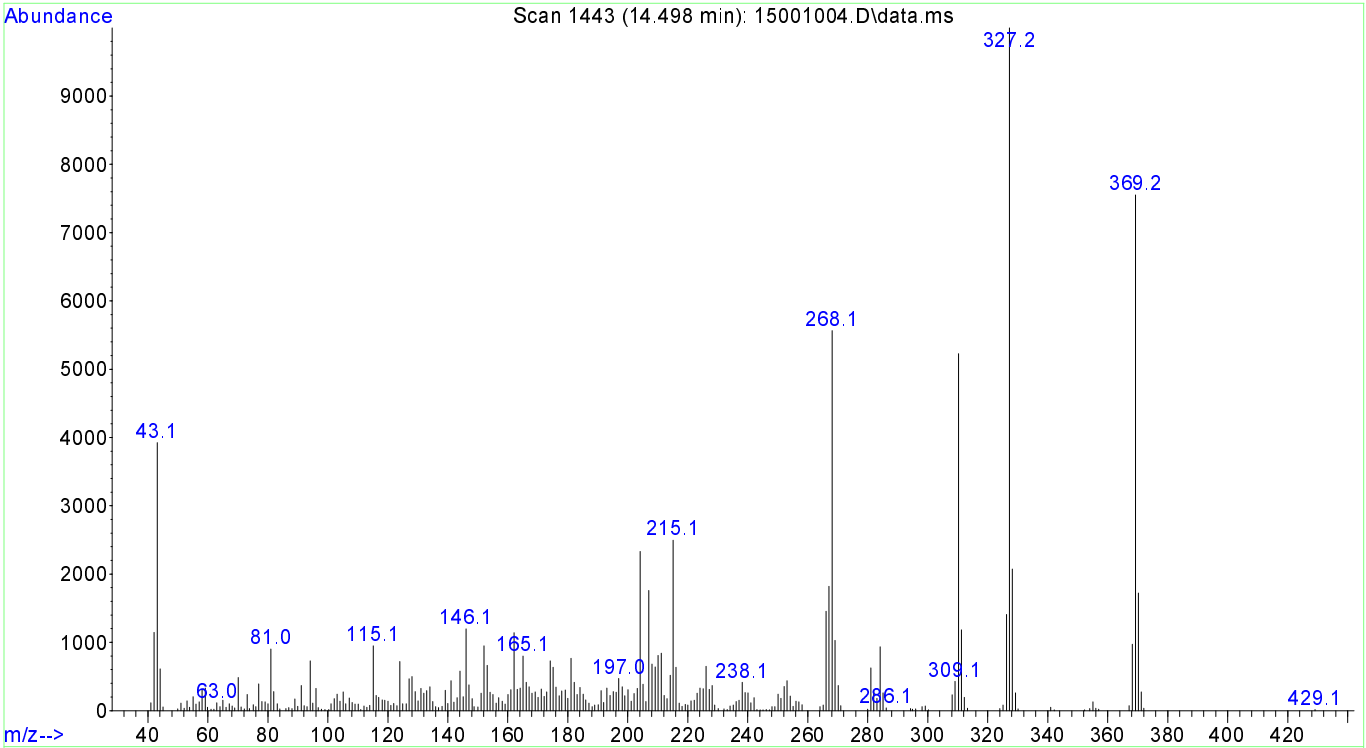


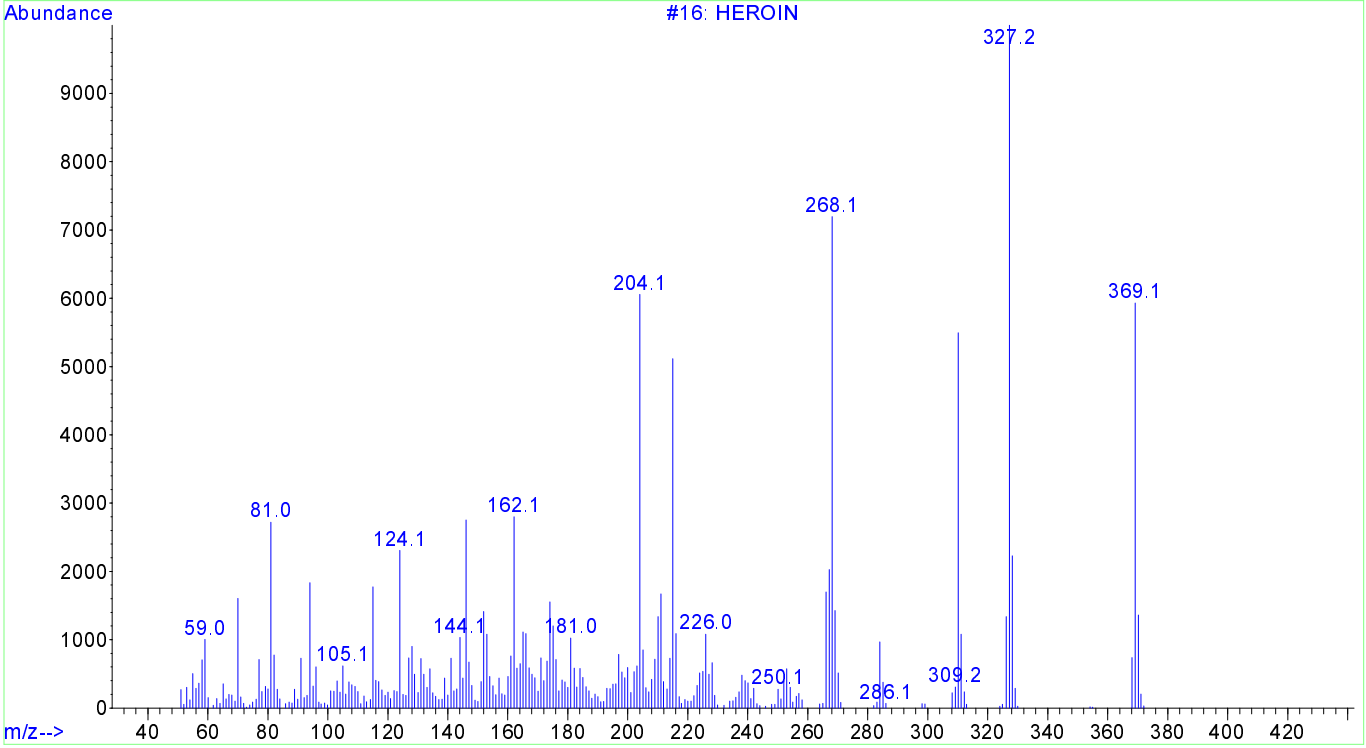
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... Data\090225\15001004.D
Operator : DrugChem-HP\admin
Instrument : BCCL SD GCMS 3
Acquired : 02 Sep 2025 08:12 using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-25-0018) 000002285
Misc Info : 000002285



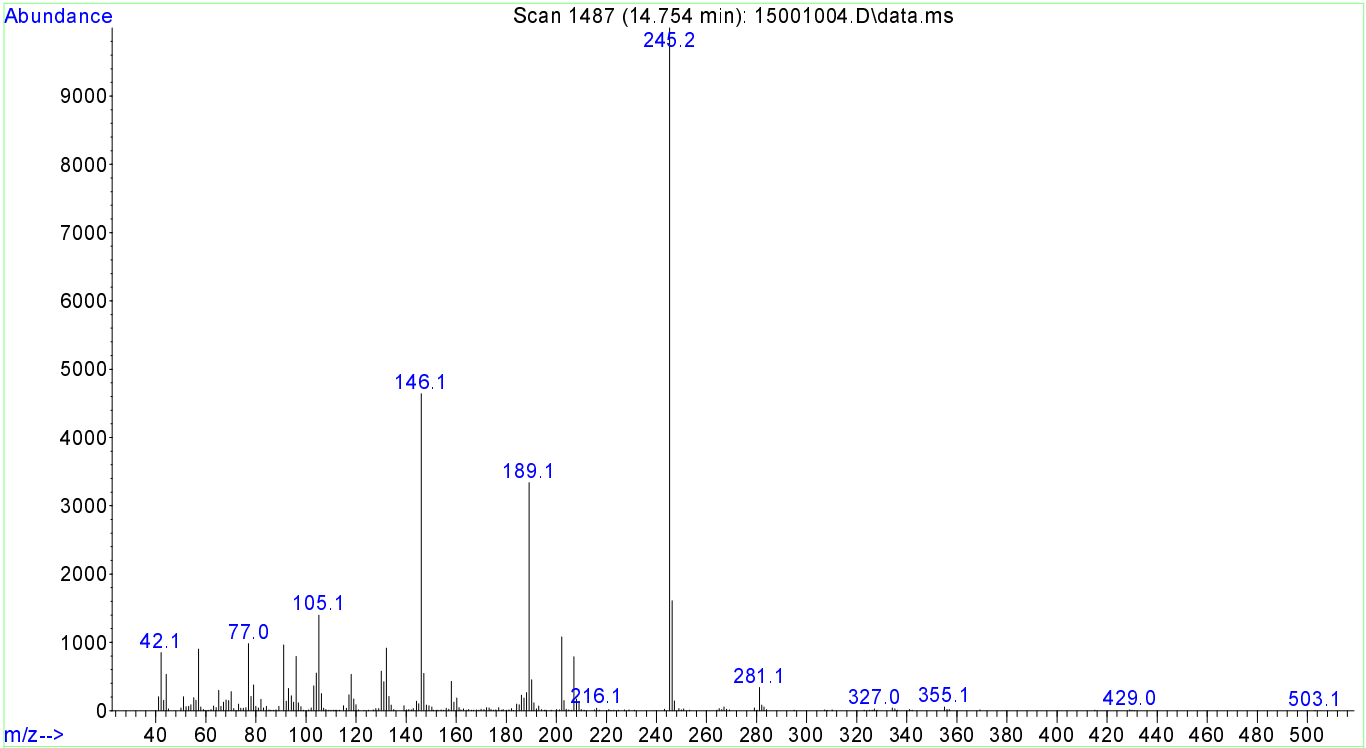


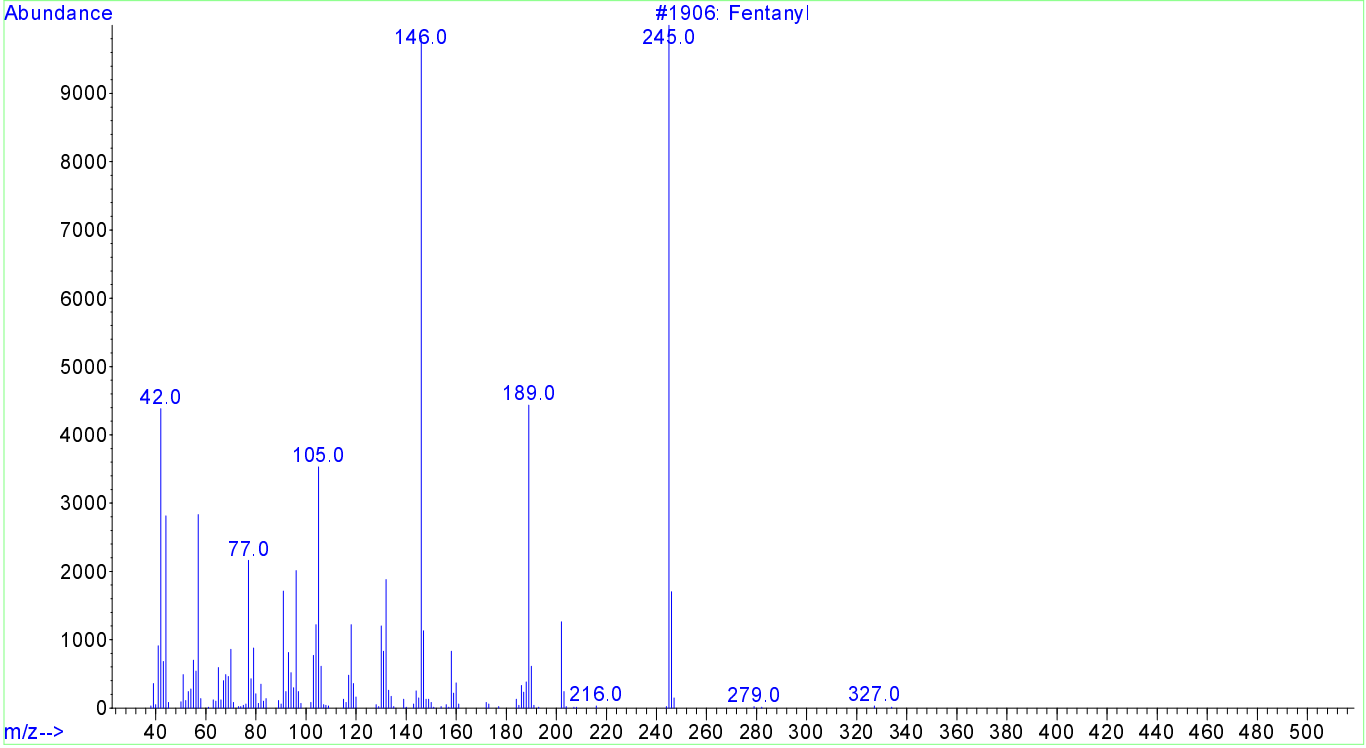
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...          Data\090225\15001004.D
Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 02 Sep 2025  08:12     using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-25-0018)                  000002285
Misc Info  :                                                 000002285
```



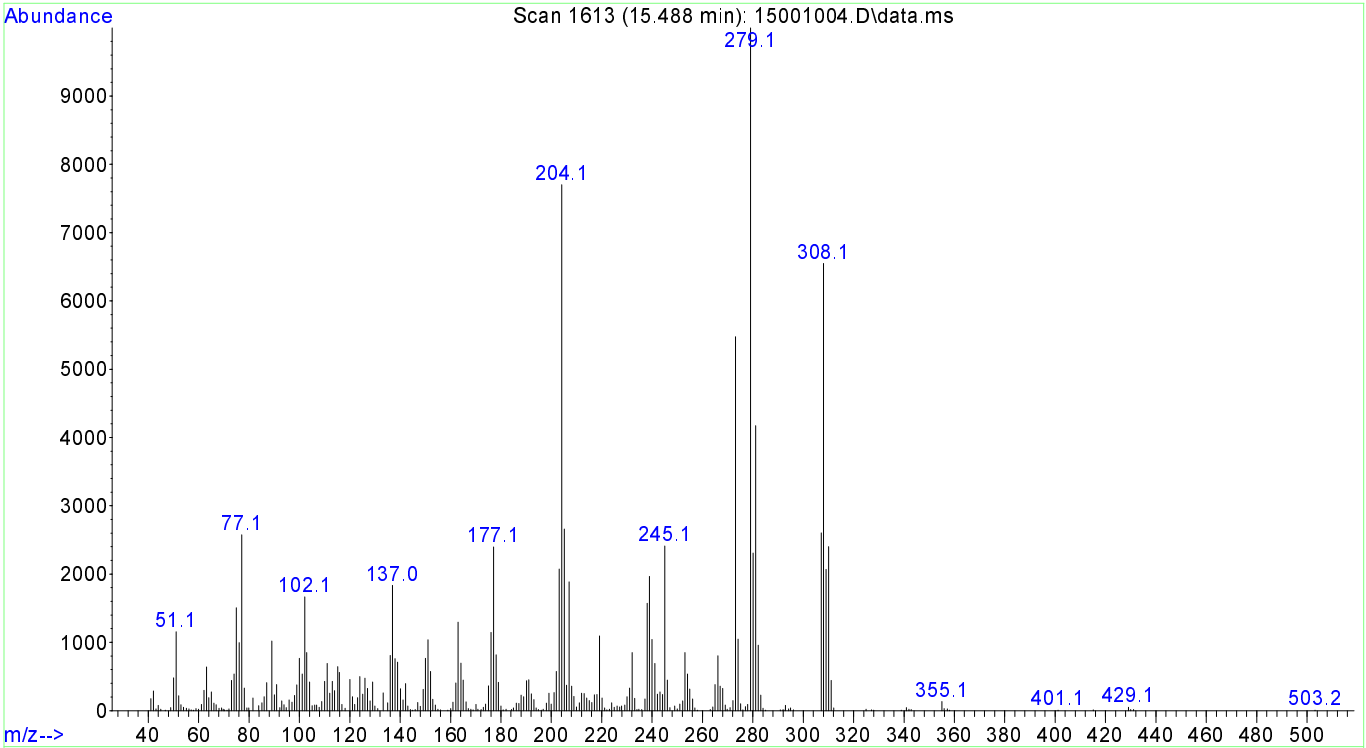


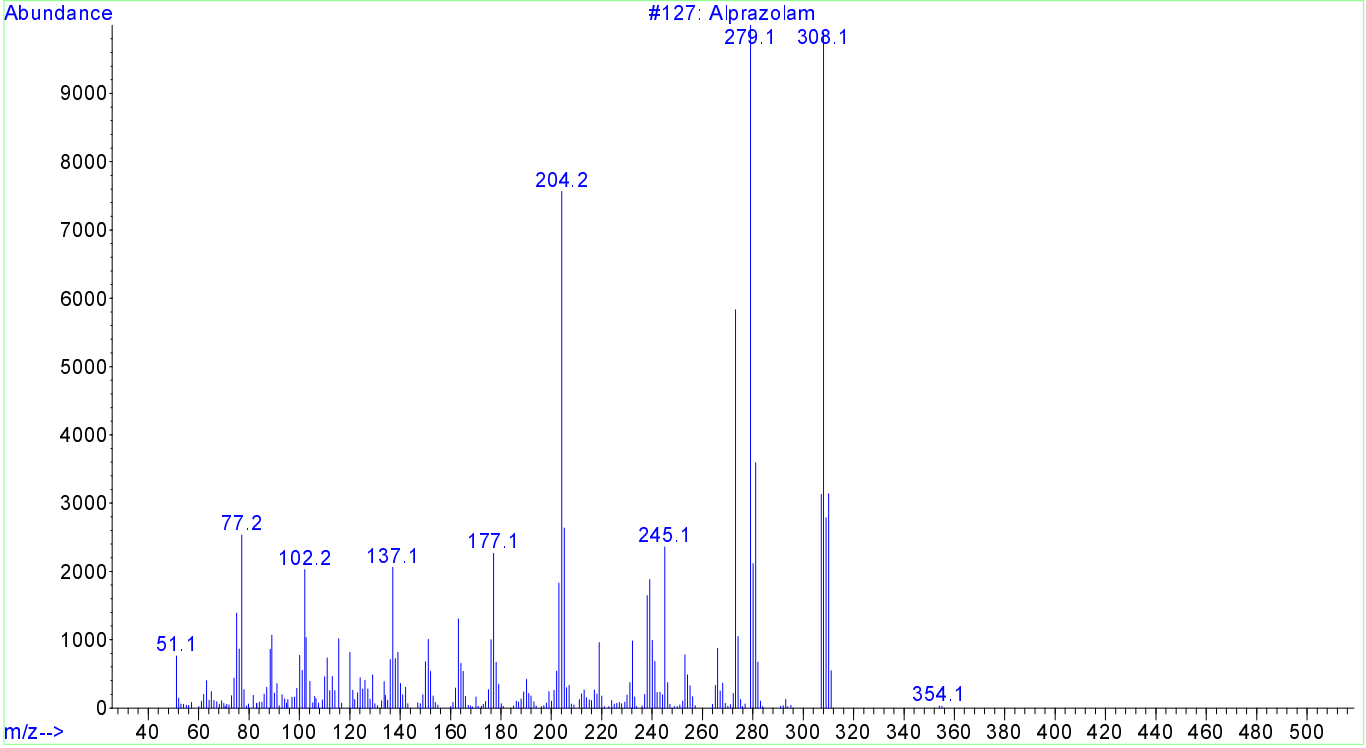
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Operator : DrugChem-HP\admin
Instrument : BCCL SD GCMS 3
Acquired : 02 Sep 2025 08:12 using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-25-0018) 000002285
Misc Info : 000002285



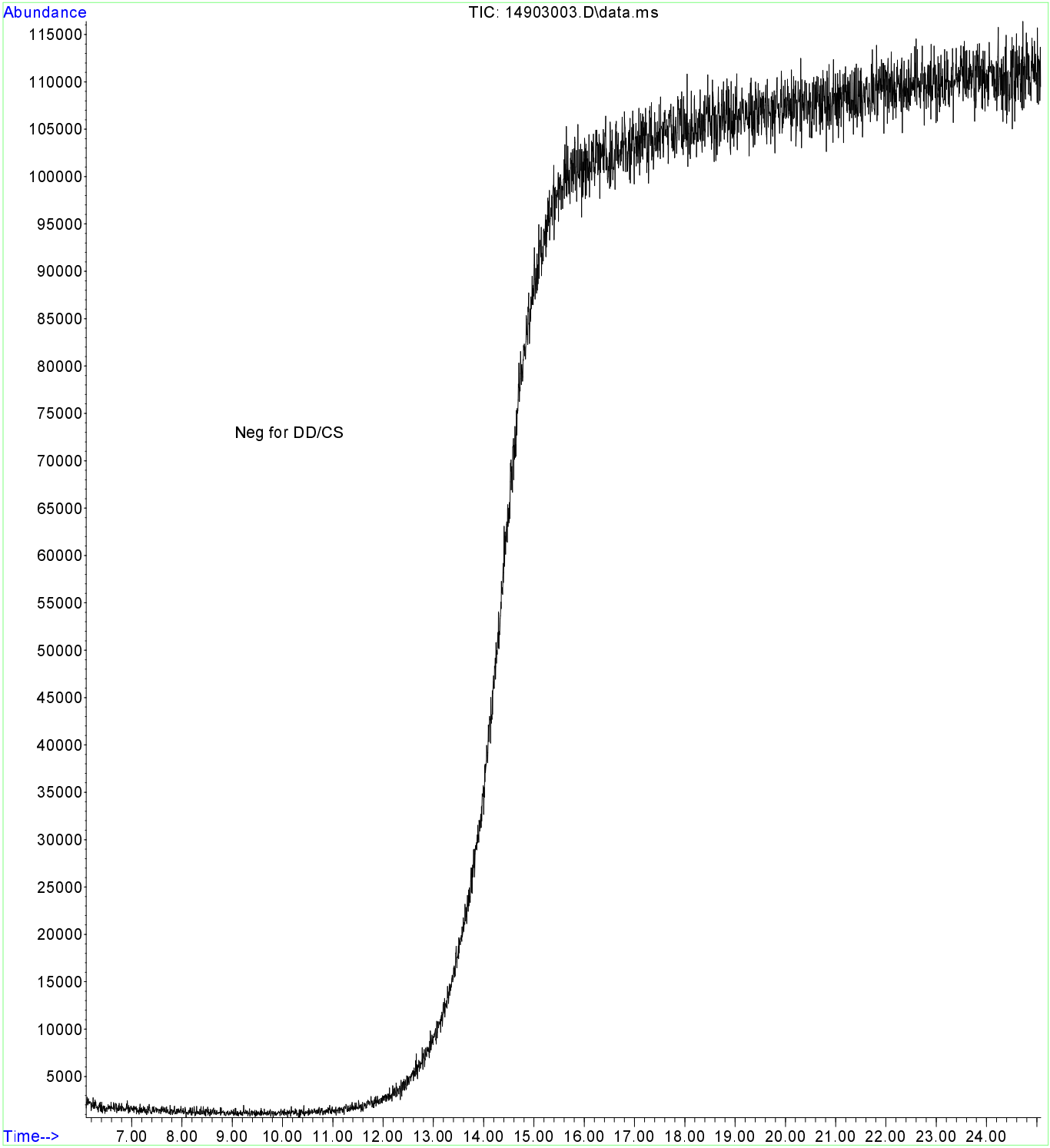


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... Data\090225\15001004.D
Operator : DrugChem-HP\admin
Instrument : BCCL SD GCMS 3
Acquired : 02 Sep 2025 08:12 using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-25-0018) 000002285
Misc Info : 000002285

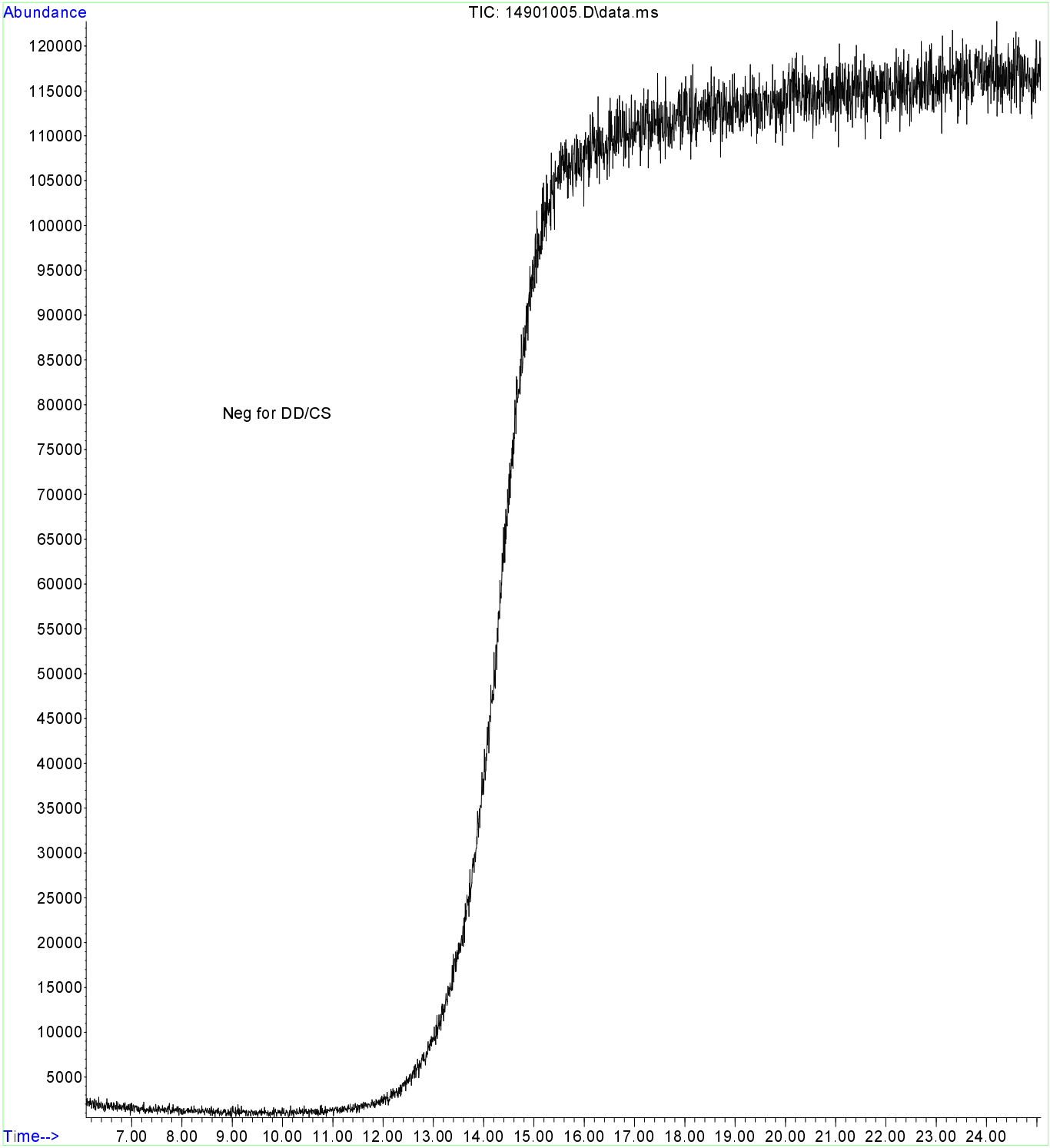




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... Data\090225\14903003.D
Operator : DrugChem-HP\admin
Instrument : BCCL SD GCMS 3
Acquired : 02 Sep 2025 07:44 using AcqMethod DrugTest35.M
Sample Name: BLANK (C-20-0051A) PRIOR TO CAYMAN GC/MS MIX 3 (R-25-0018) 000002078
Misc Info : 000002078



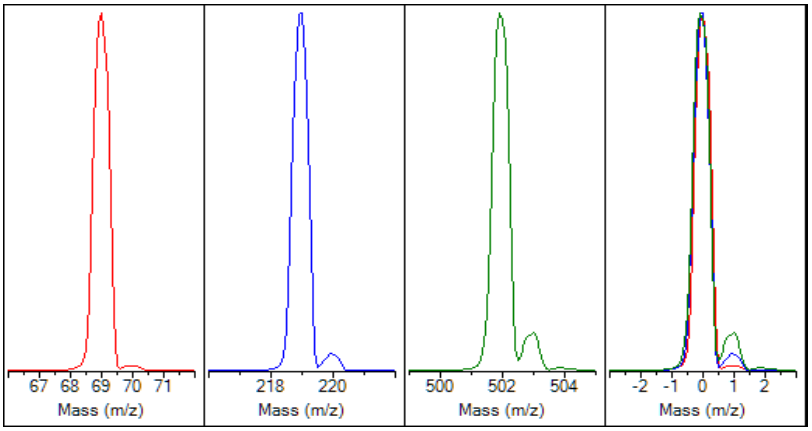
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... Data\090225\14901005.D
Operator : DrugChem-HP\admin
Instrument : BCCL SD GCMS 3
Acquired : 02 Sep 2025 08:41 using AcqMethod DrugTest35.M
Sample Name: BLANK (C-20-0051A) - INSTRUMENT READY 000002078
Misc Info : 000002078



Autotune - 5977

9/8/2025 9:53:51 AM (UTC-5:00) BCCL SD GCMS 3

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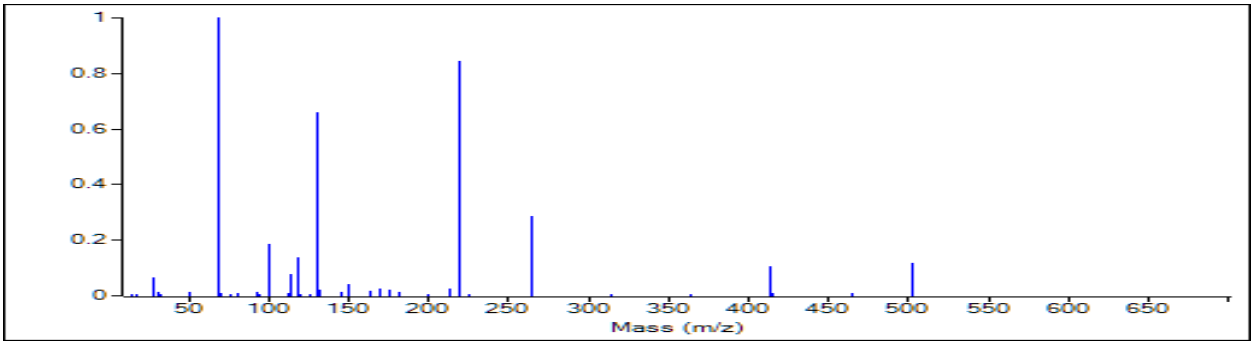
Ion Polarity	Pos	Mass Gain	-363
Emission	34.6	Mass Offset	-34
Electron Energy	70.0	Amu Gain	1676
Filament	2	Amu Offset	120.38
Repeller	32.51	Width219	-0.017
Ion Focus	90.3	DC Polarity	Pos
Entrance Lens	17.6	HED Enable	On
Ent Lens Offset	12.36	EM Volts	1970.5
Ion Body	0.00	Extractor Lens	0.00
		Scan Speed	3
		Averages	3
PFTBA	Open	Step Size	0.10

Temperatures and Pressures

MS Source	230	Turbo Speed	100.0
MS Quad	150	Hi Vac	8.96e-06

Mass	Abund	Rel Abund	Pw50
69.00	392,305	100.0%	0.60
219.00	332,149	84.7%	0.60
501.90	42,990	11.0%	0.61

Low	High	Step	Speed	Threshold	Peaks	Base	Abundance	Total Ion
10.00	701.00	0.10	3	100	98	69.00	372,224	1,441,267



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	372,224	100.00	70.00	3,633	0.98
218.90	314,496	84.49	220.00	13,762	4.38
501.90	42,728	11.48	502.90	4,777	11.18

Air/Water Check: H20 ~0.2% N2 ~6.3% O2 ~0.2% CO2 ~0.0% N2/H20 ~2862.5%

Column(1) Flow: 0.80 Column(2): 0.00 ml/min Interface Temp: 280

Ramp Criteria:

Ion Focus maximum 90 volts using ion 502; Electron Multiplier Gain 164171.391

Repeller maximum 35 volts using ion 219; Gain Factor 1.6417

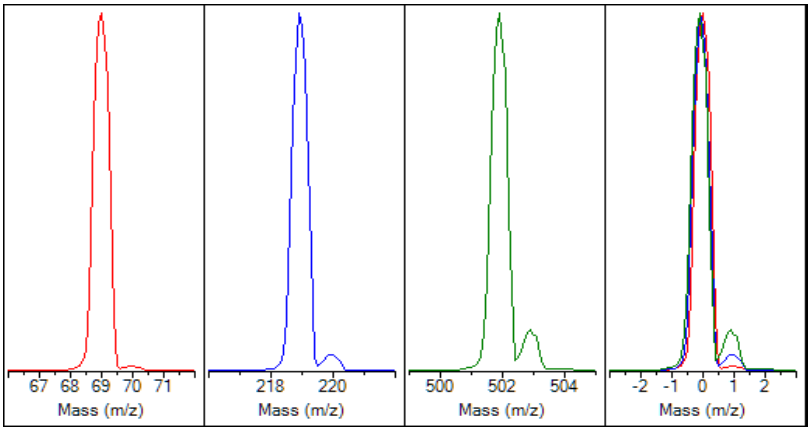
Mass Gain Values(Scan Speed): -371(3) -352(2) -376(1) -357(0) -287(FS1) -399(FS2)

TARGET MASS:	50	69	131	219	414	502	1050
Amu Offset	120.4	120.4	120.4	120.4	120.4	120.4	120.4
Entrance Lens Offset	12.4	12.4	12.4	12.4	12.4	12.4	12.4

Autotune - 5977

9/8/2025 8:46:19 AM (UTC-5:00) BCCL SD GCMS 3

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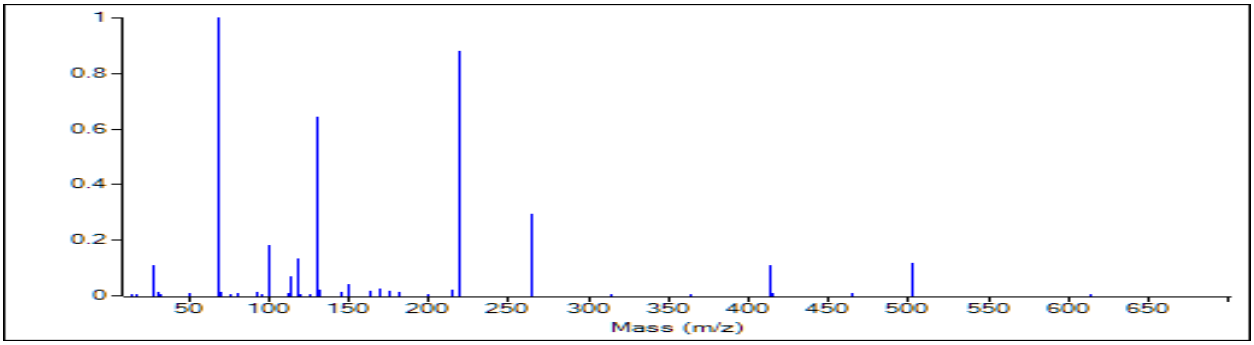
Ion Polarity	Pos	Mass Gain	-368
Emission	34.6	Mass Offset	-34
Electron Energy	70.0	Amu Gain	1673
Filament	2	Amu Offset	120.69
Repeller	32.51	Width219	-0.015
Ion Focus	90.3	DC Polarity	Pos
Entrance Lens	17.6	HED Enable	On
Ent Lens Offset	12.36	EM Volts	1923.5
Ion Body	0.00	Extractor Lens	0.00
		Scan Speed	3
		Averages	3
PFTBA	Open	Step Size	0.10

Temperatures and Pressures

MS Source	230	Turbo Speed	100.0
MS Quad	150	Hi Vac	8.47e-06

Mass	Abund	Rel Abund	Pw50
69.00	331,218	100.0%	0.61
218.90	297,876	89.9%	0.60
501.90	39,145	11.8%	0.60

Low	High	Step	Speed	Threshold	Peaks	Base	Abundance	Total Ion
10.00	701.00	0.10	3	100	96	69.00	320,768	1,258,107



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	320,768	100.00	70.00	3,719	1.16
219.00	281,984	87.91	220.00	12,107	4.29
502.00	37,720	11.76	503.00	4,073	10.80

Air/Water Check: H20 ~0.3% N2 ~10.7% O2 ~0.2% CO2 ~0.0% N2/H20 ~3794.2%

Column(1) Flow: 0.80 Column(2): 0.00 ml/min Interface Temp: 280

Ramp Criteria:

Ion Focus maximum 90 volts using ion 502; Electron Multiplier Gain 123068.033

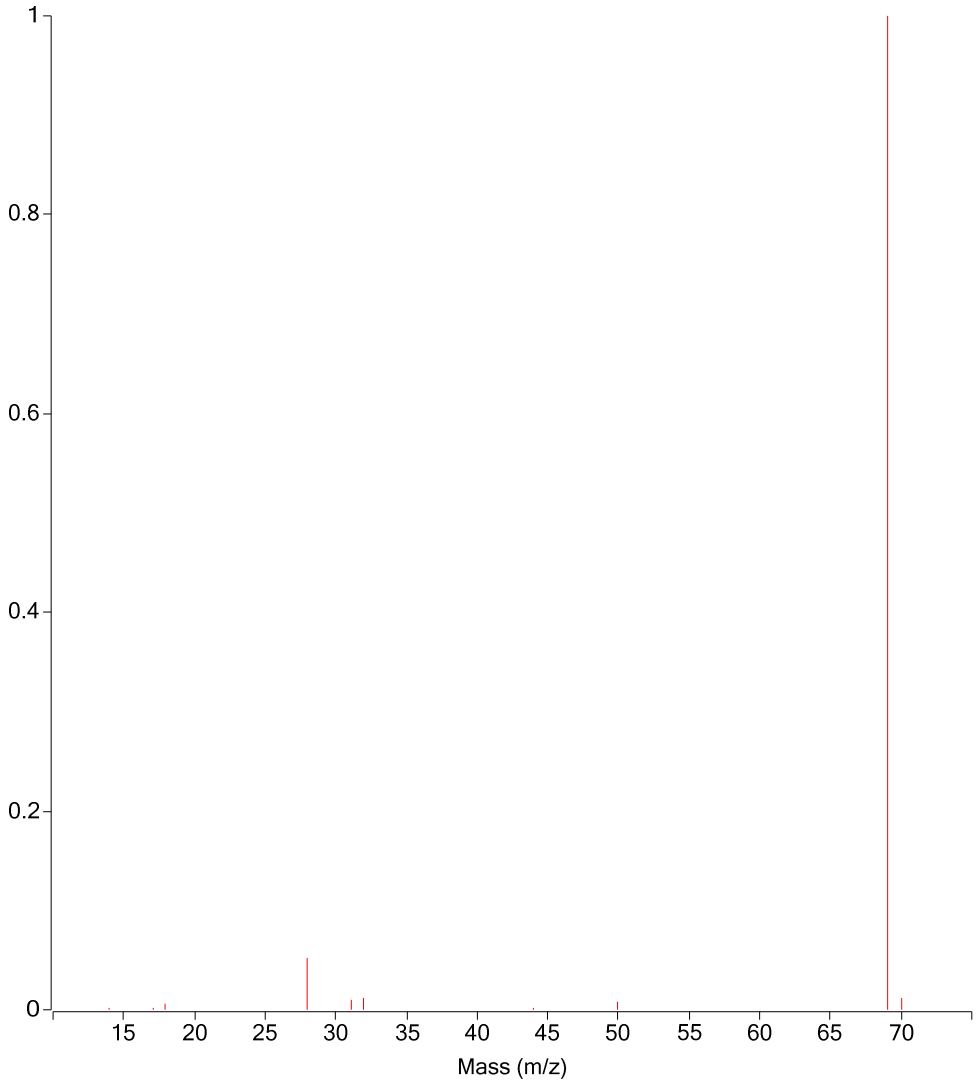
Repeller maximum 35 volts using ion 219; Gain Factor 1.2307

Mass Gain Values(Scan Speed): -355(3) -364(2) -331(1) -328(0) -328(FS1) -205(FS2)

TARGET MASS:	50	69	131	219	414	502	1050
Amu Offset	120.7	120.7	120.7	120.7	120.7	120.7	120.7
Entrance Lens Offset	12.4	12.4	12.4	12.4	12.4	12.4	12.4

597x Air and Water Check

Instrument: BCCL SD GCMS 3
Mon Sep 08 08:41:47 2025 D:\MassHunter\GCMS\1\5977\



Current Params used: atune.u

Relative abundances:

18/69 =	0.69	Water%	(counts=7047)
28/69 =	5.14	Nitrogen%	(counts=52288)
32/69 =	1.16	Oxygen%	(counts=11780)
44/69 =	0.18	Carbon Dioxide%	(counts=1854)
28/18 =	741.99	Nitrogen/Water%	

Instrument Name	: BCCL SD GCMS 3	
DC Polarity	: Positive	
Filament	2	
BasePeak should be 69 or 219		OK
Position of mass 69	69.00	OK
Position of mass 219	218.90	OK
Position of mass 502	501.90	OK
Position of isotope mass 70	70.00	OK
Position of isotope mass 220	219.93	OK
Position of isotope mass 503	502.91	OK
Ratio of mass 70 to mass 69(0.5 - 1.6%)	1.08	OK
Ratio of mass 220 to mass 219(3.2 - 5.4%)	4.33	OK
Ratio of mass 503 to mass 502(7.9 - 12.3%)	10.02	OK
Ratio of 219 to 69 should be > 40% and is	84.50	OK
Ratio of 502 to 69 should be > 2.4% and is	11.52	OK
Mass 69 Precursor (<= 3%)	0.23	OK
Mass 219 Precursor (<= 6%)	0.75	OK
Mass 502 Precursor (<= 12%)	1.19	OK

597x Air and Water Check

Mon Sep 08 09:56:57 2025	Instrument: BCCL SD GCMS 3
D:\MASSHUNTER\GCMS\1\5977\atune.u	US1329M205

Testing for a leak in the system

Ratio of 18 to 69 (<20%)	0.20	OK
Ratio of 28 to 69 (<10%)	5.91	OK
Electron Multiplier Voltage	1971	OK

Tune portion of System Verification passed.

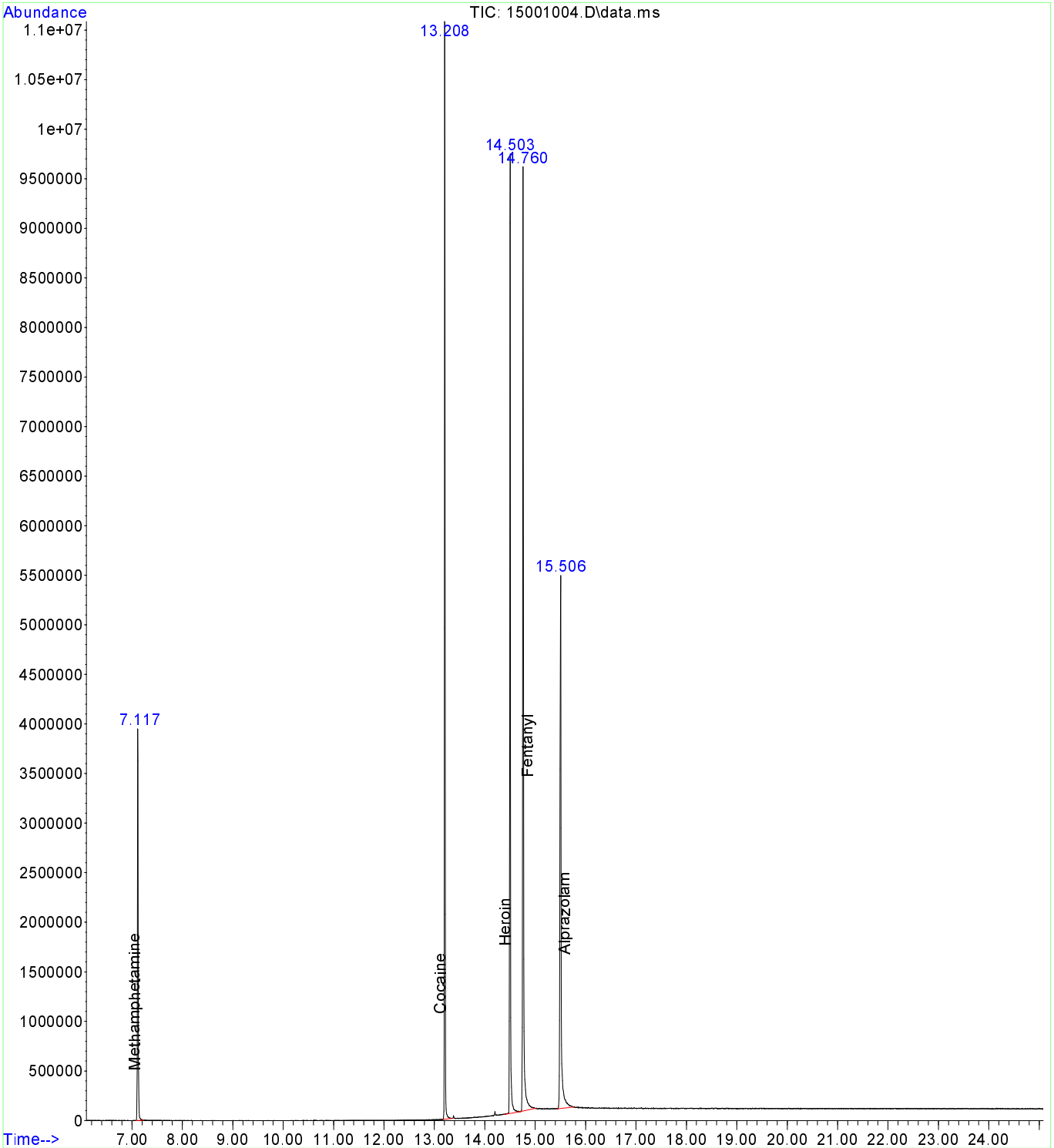
BCCL GC/MS #3
Retention Times for the Week of:

09/08/2025 - 09/14/2025

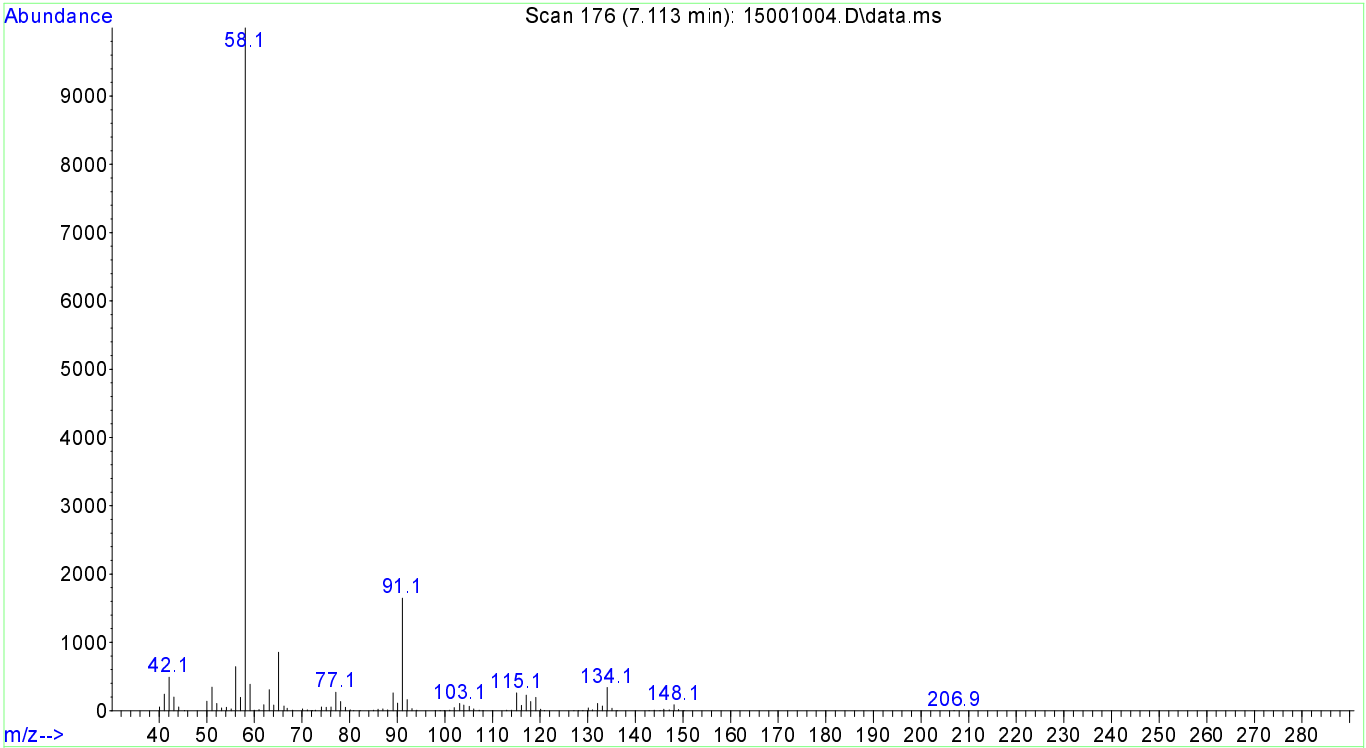
[X] **Tune: DS 09/08/2025 - Autotune**

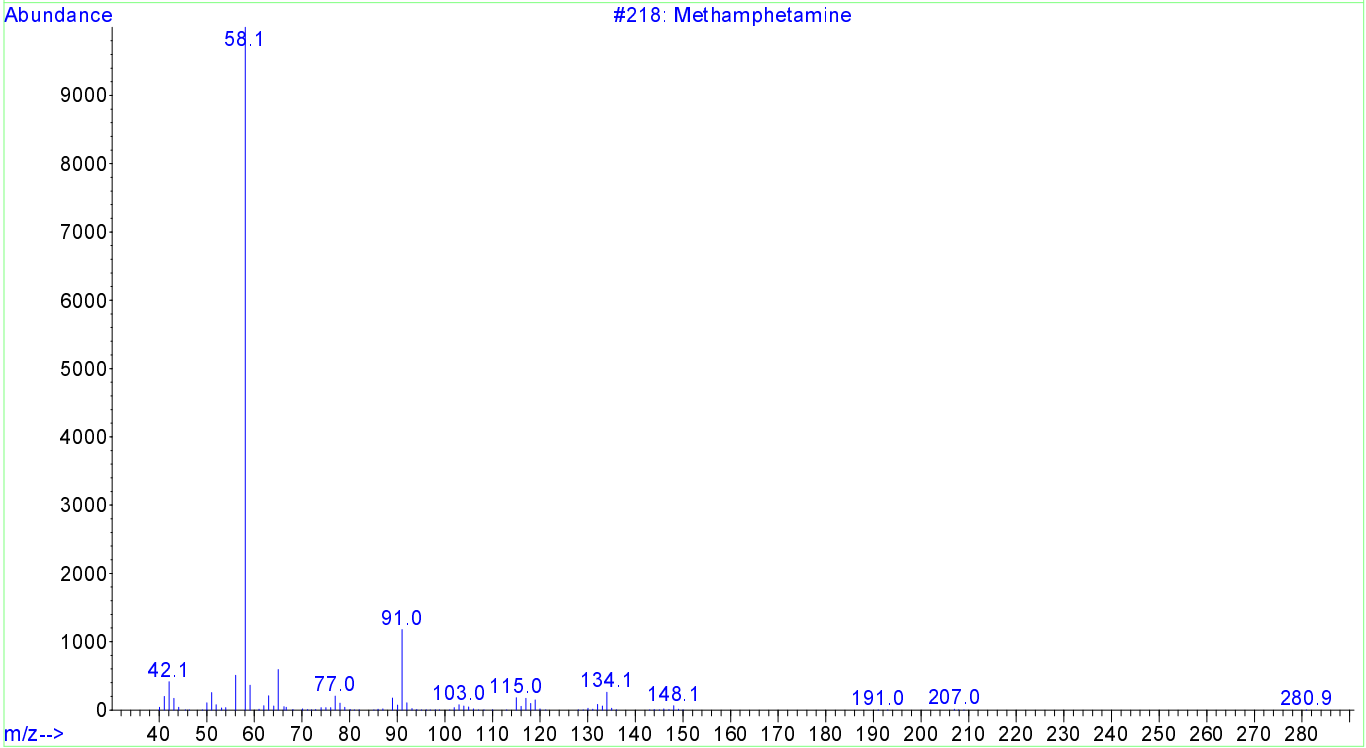
Standard	Standard #	Method	Retention Time	1% Window	
Methamphetamine	R-25-0018	DrugTest35	7.117	7.045	7.188
Cocaine	R-25-0018	DrugTest35	13.208	13.075	13.340
Heroin	R-25-0018	DrugTest35	14.503	14.357	14.648
Fentanyl	R-25-0018	DrugTest35	14.760	14.612	14.907
Alprazolam	R-25-0018	DrugTest35	15.506	15.350	15.661

```
File       :D:\MassHunter\GCMS\1\GCMS 3 data\Standards\Weekly Check\2025
...          Data\090825\15001004.D
Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 08 Sep 2025  11:14     using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-25-0018)                  000002285
Misc Info  :                                                 000002285
```

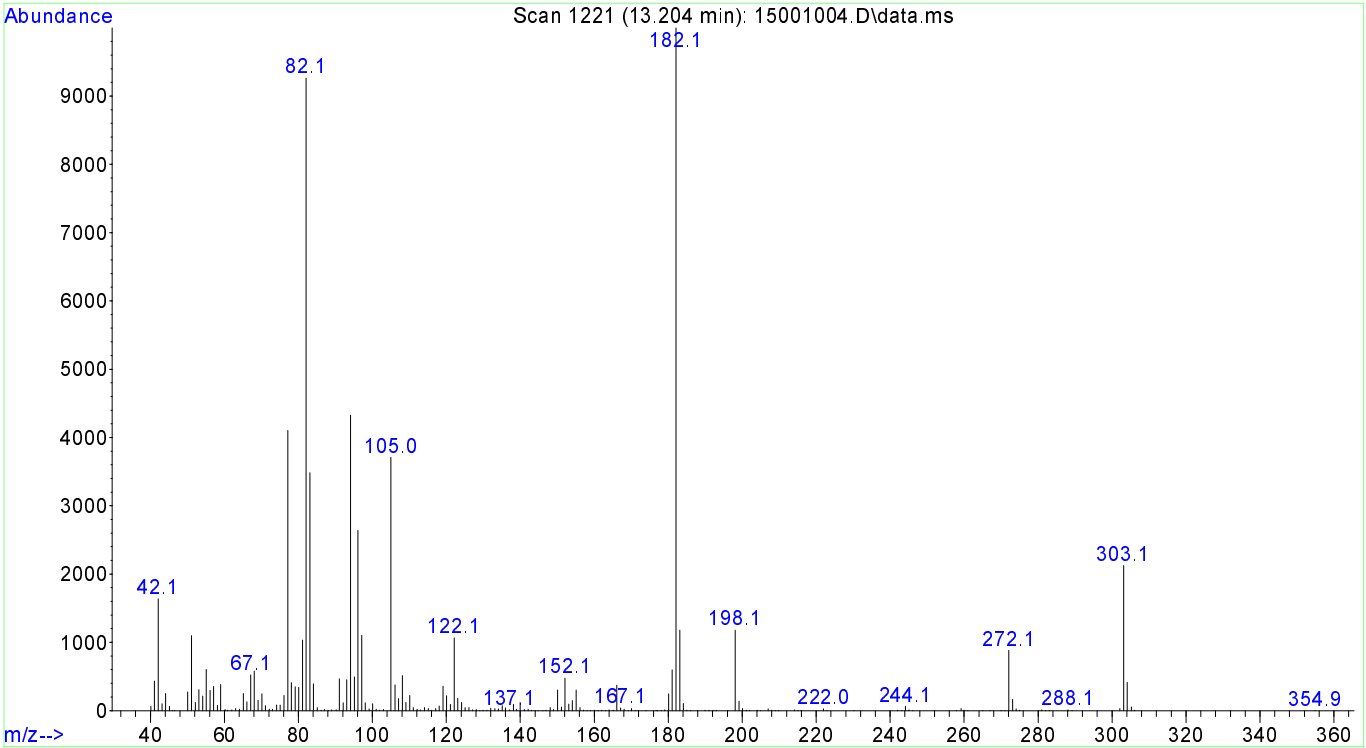


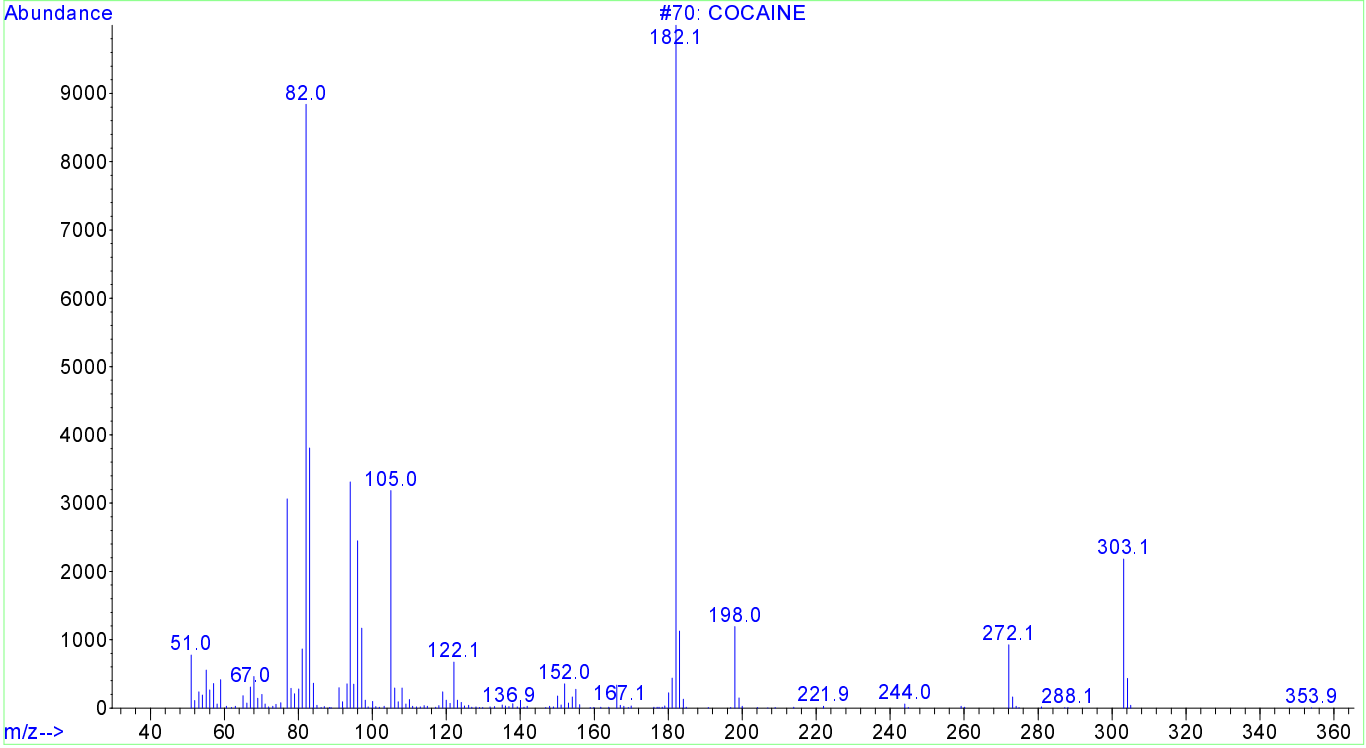
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Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 08 Sep 2025  11:14     using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-25-0018)                  000002285
Misc Info  :                                                 000002285
```



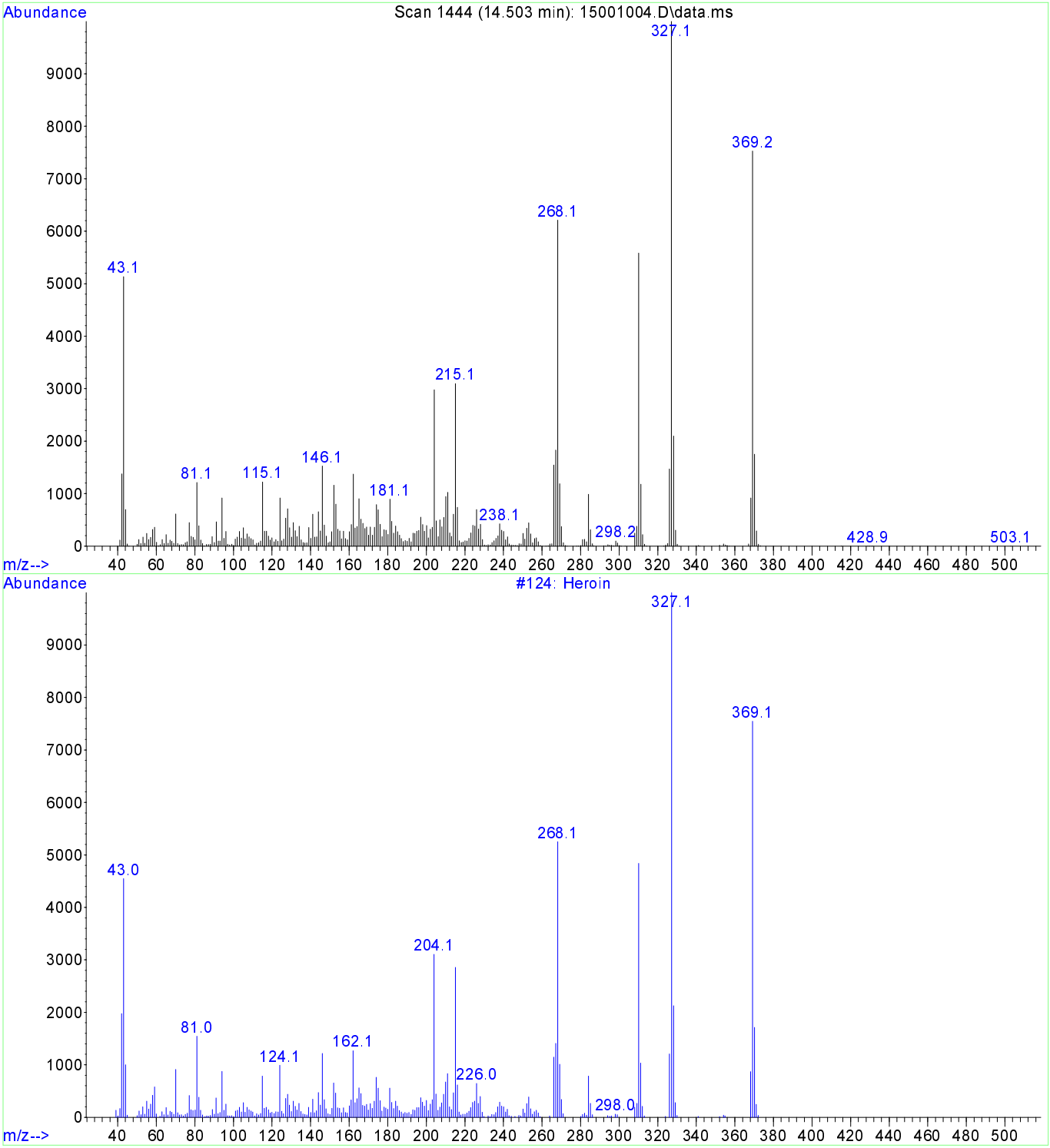


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Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 08 Sep 2025  11:14     using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-25-0018)                  000002285
Misc Info  :                                                 000002285
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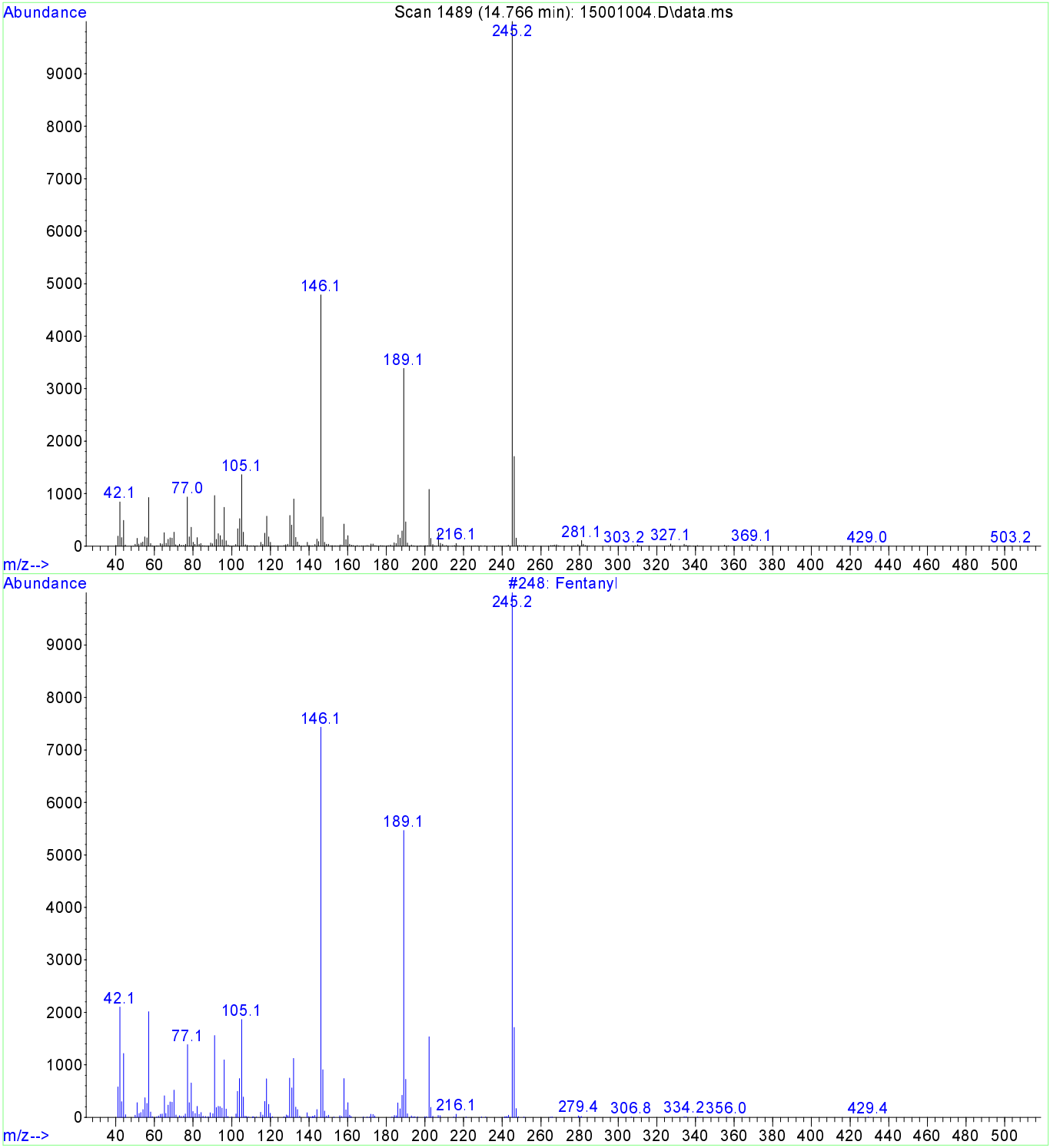




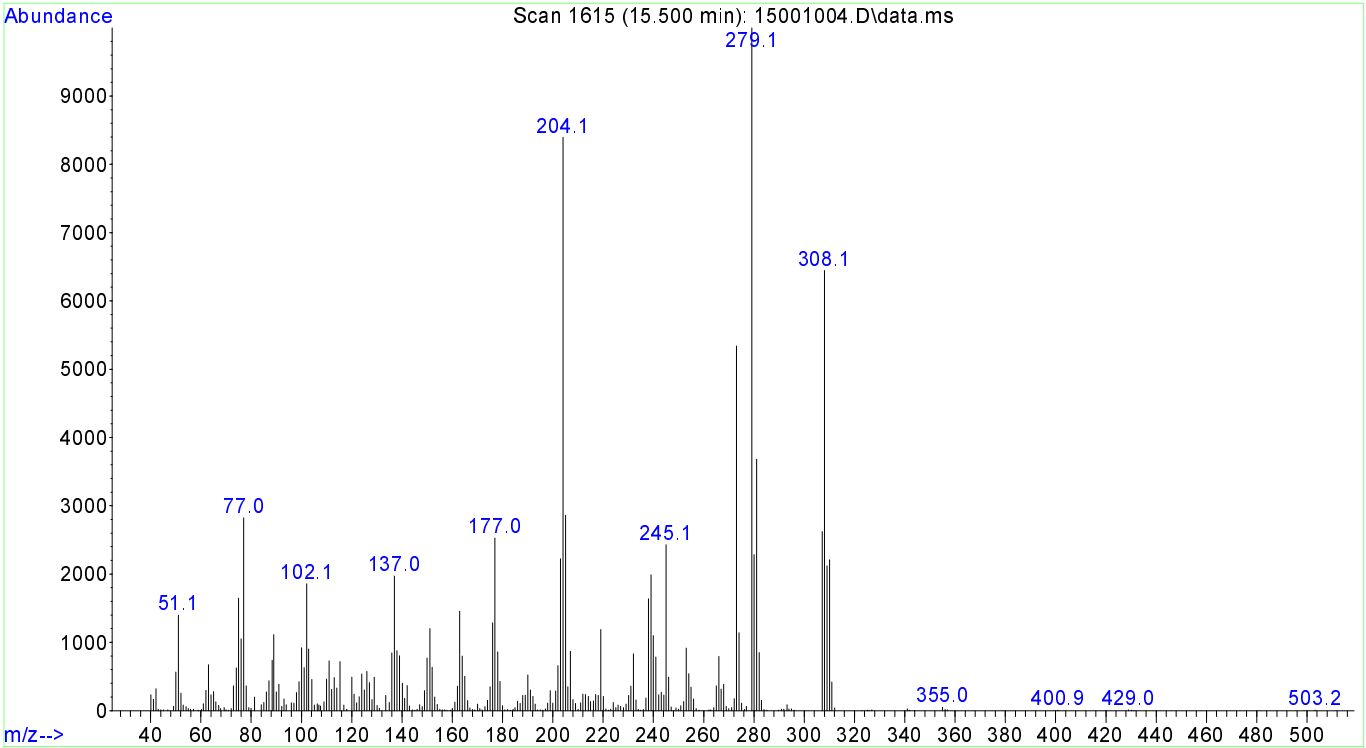
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Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 08 Sep 2025  11:14     using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-25-0018)                  000002285
Misc Info  :                                                 000002285
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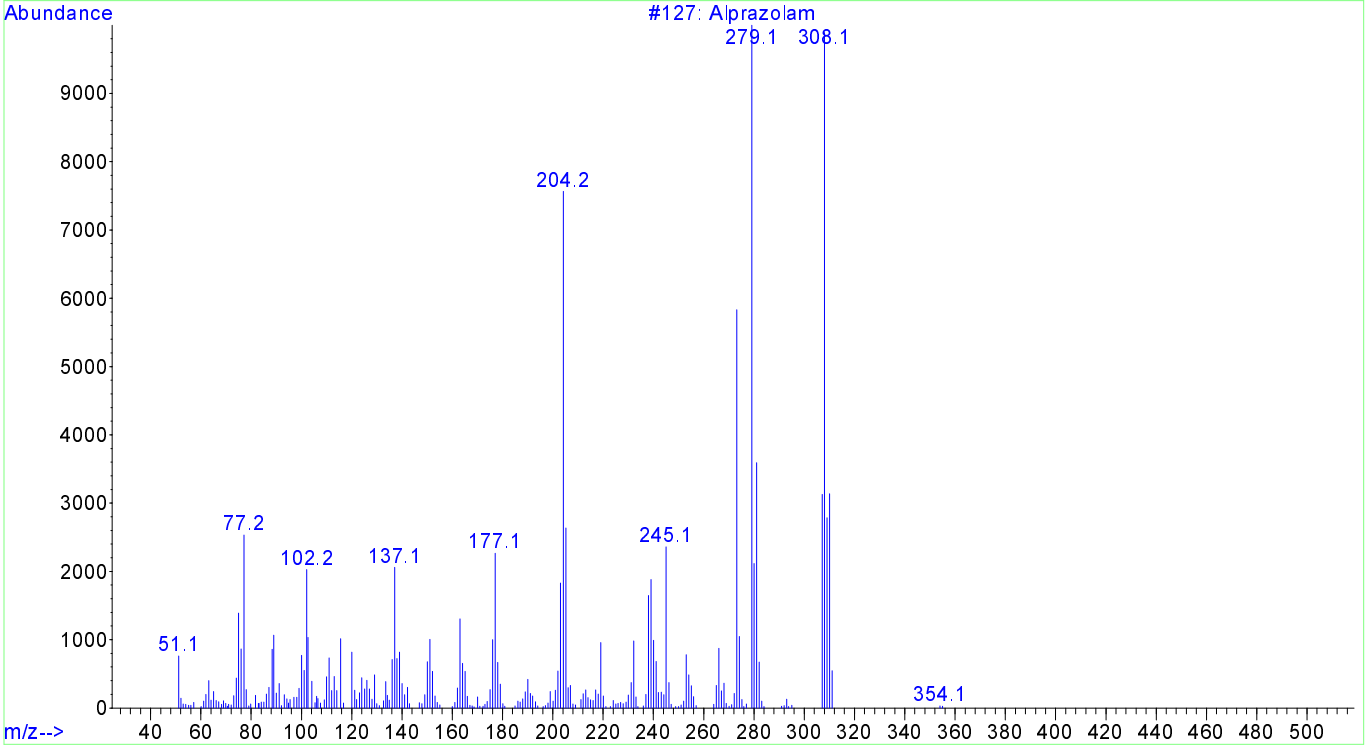


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Operator : DrugChem-HP\admin
Instrument : BCCL SD GCMS 3
Acquired : 08 Sep 2025 11:14 using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-25-0018) 000002285
Misc Info : 000002285

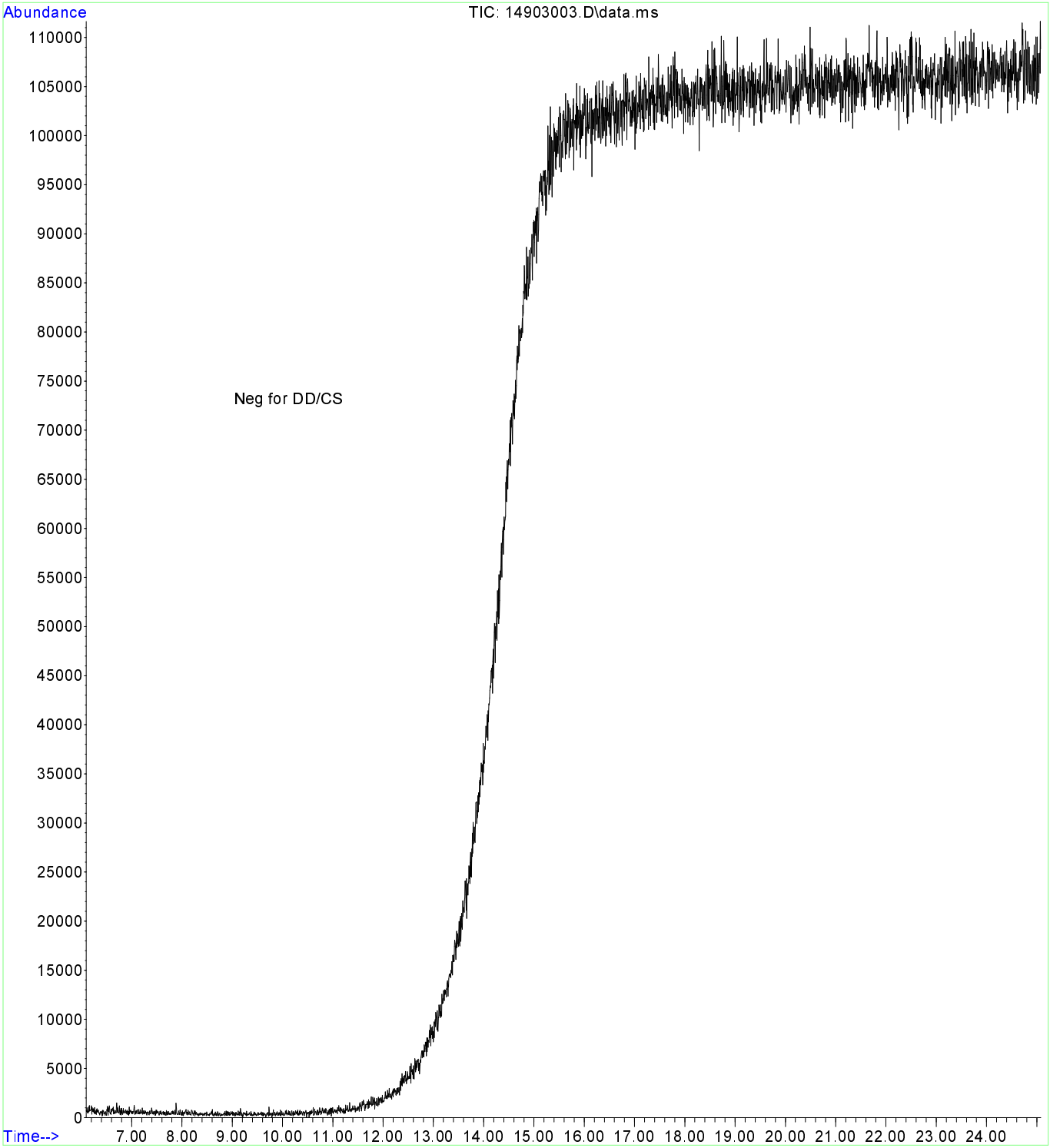


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Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 08 Sep 2025  11:14     using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-25-0018)                  000002285
Misc Info  :                                                 000002285
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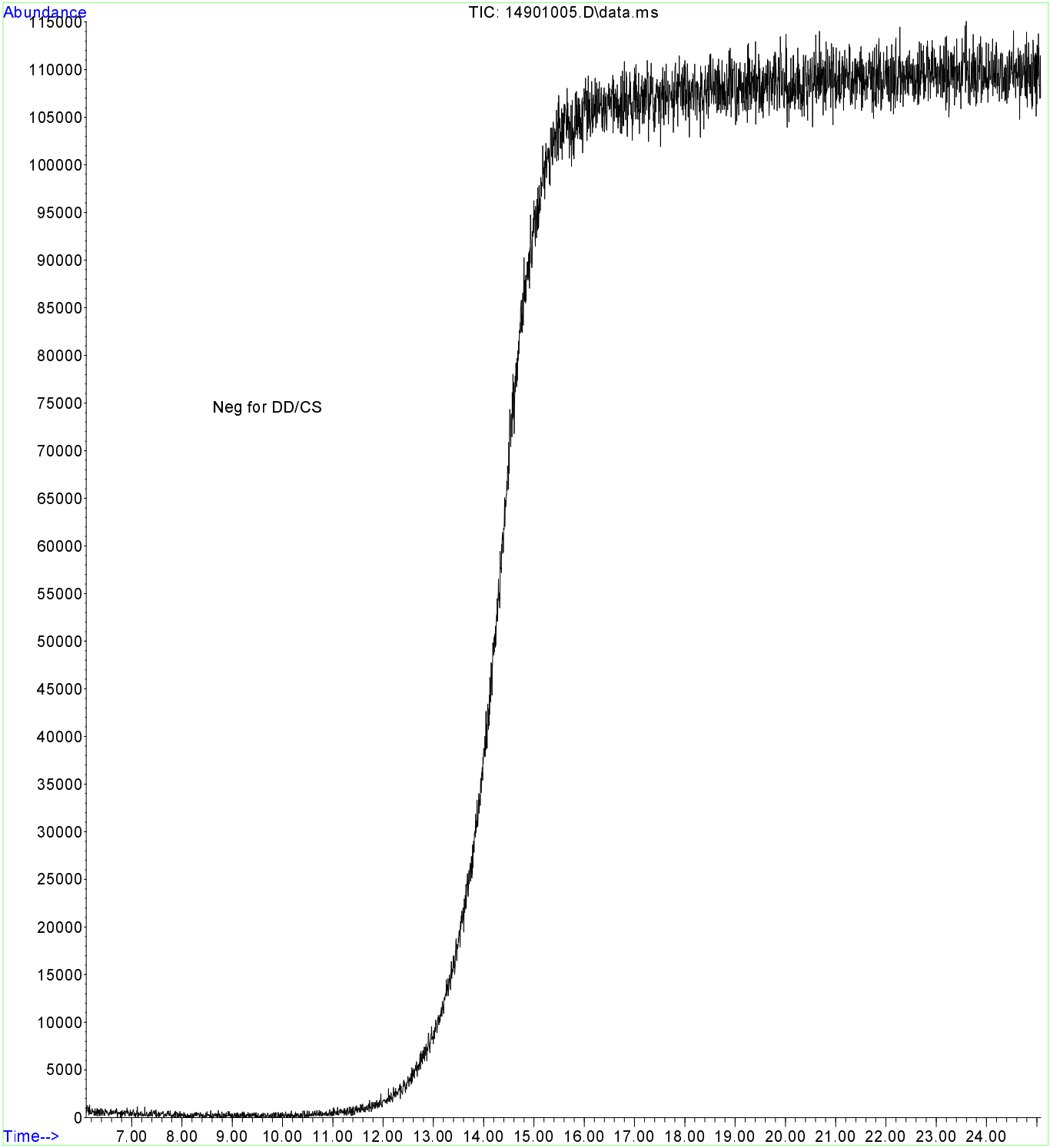




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... Data\090825\14903003.D
Operator : DrugChem-HP\admin
Instrument : BCCL SD GCMS 3
Acquired : 08 Sep 2025 10:46 using AcqMethod DrugTest35.M
Sample Name: BLANK (C-20-0051A) PRIOR TO CAYMAN GC/MS MIX 3 (R-25-0018) 000002078
Misc Info : 000002078



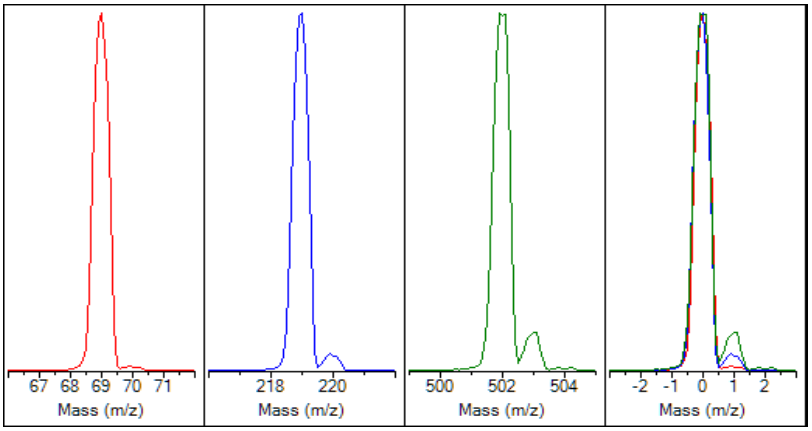
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... Data\090825\14901005.D
Operator : DrugChem-HP\admin
Instrument : BCCL SD GCMS 3
Acquired : 08 Sep 2025 11:43 using AcqMethod DrugTest35.M
Sample Name: BLANK (C-20-0051A) - INSTRUMENT READY 000002078
Misc Info : 000002078



Autotune - 5977

9/9/2025 3:15:59 PM (UTC-5:00) BCCL SD GCMS 3

D:\MASSHUNTER\GCMS\1\5977\atune.u US1329M205



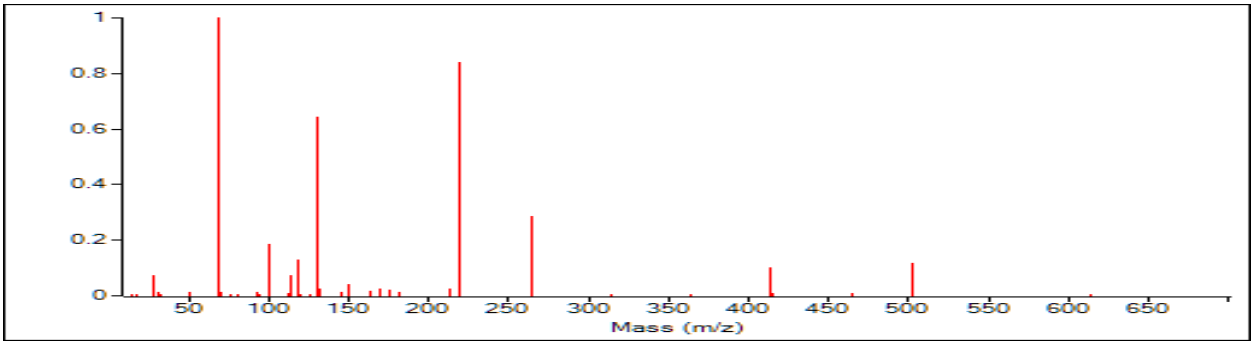
Ion Polarity	Pos	Mass Gain	-359
Emission	34.6	Mass Offset	-35
Electron Energy	70.0	Amu Gain	1676
Filament	2	Amu Offset	120.44
Repeller	33.31	Width219	-0.017
Ion Focus	90.3	DC Polarity	Pos
Entrance Lens	15.1	HED Enable	On
Ent Lens Offset	12.53	EM Volts	1970.5
Ion Body	0.00	Extractor Lens	0.00
		Scan Speed	3
		Averages	3
PFTBA	Open	Step Size	0.10

Temperatures and Pressures

MS Source	230	Turbo Speed	100.0
MS Quad	150	Hi Vac	7.40e-06

Mass	Abund	Rel Abund	Pw50
69.00	383,162	100.0%	0.60
219.00	317,798	82.9%	0.60
501.90	41,861	10.9%	0.61

Low	High	Step	Speed	Threshold	Peaks	Base	Abundance	Total Ion
10.00	701.00	0.10	3	100	98	69.00	361,088	1,386,973



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	361,088	100.00	70.00	4,041	1.12
218.90	303,680	84.10	219.90	12,942	4.26
501.90	42,248	11.70	502.90	3,982	9.43

Air/Water Check: H20 ~0.2% N2 ~7.1% O2 ~0.3% CO2 ~0.0% N2/H20 ~2948.7%

Column(1) Flow: 0.50 Column(2): 0.00 ml/min Interface Temp: 280

Ramp Criteria:

Ion Focus maximum 90 volts using ion 502; Electron Multiplier Gain 151105.618

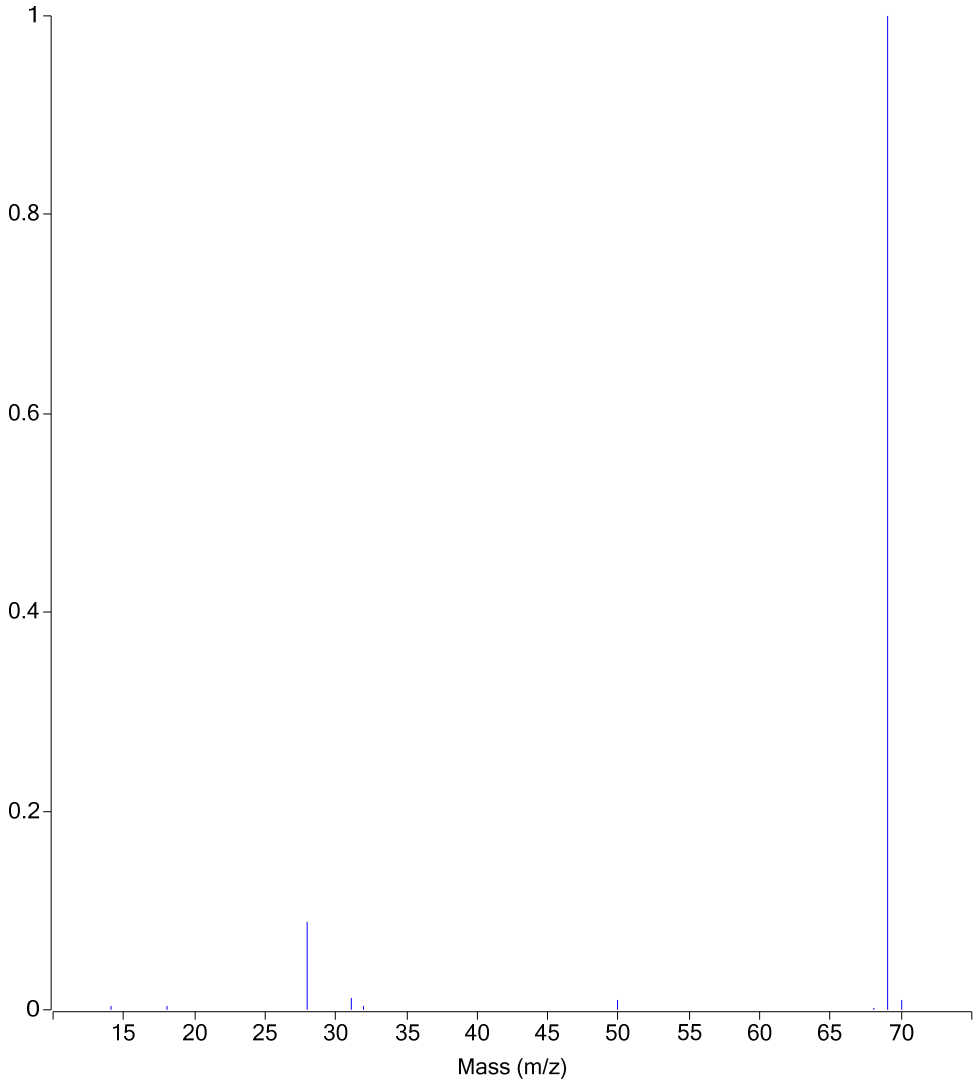
Repeller maximum 35 volts using ion 219; Gain Factor 1.5111

Mass Gain Values(Scan Speed): -375(3) -359(2) -387(1) -360(0) -308(FS1) -394(FS2)

TARGET MASS:	50	69	131	219	414	502	1050
Amu Offset	120.4	120.4	120.4	120.4	120.4	120.4	120.4
Entrance Lens Offset	12.5	12.5	12.5	12.5	12.5	12.5	12.5

597x Air and Water Check

Instrument: BCCL SD GCMS 3
Tue Sep 09 15:11:06 2025 D:\MASSHUNTER\GCMS\1\5977\



Current Params used: atune.u

Relative abundances:

18/69 =	0.34	Water%	(counts=1984)
28/69 =	8.83	Nitrogen%	(counts=52232)
32/69 =	0.42	Oxygen%	(counts=2459)
44/69 =	0.06	Carbon Dioxide%	(counts=329)
28/18 =	2632.66	Nitrogen/Water%	

System Verification - Tune (Detector Optimization) Portion

Instrument Name	: BCCL SD GCMS 3	
DC Polarity	: Positive	
Filament	2	
BasePeak should be 69 or 219		OK
Position of mass 69	69.00	OK
Position of mass 219	218.90	OK
Position of mass 502	501.90	OK
Position of isotope mass 70	69.99	OK
Position of isotope mass 220	219.90	OK
Position of isotope mass 503	502.94	OK
Ratio of mass 70 to mass 69(0.5 - 1.6%)	1.08	OK
Ratio of mass 220 to mass 219(3.2 - 5.4%)	4.28	OK
Ratio of mass 503 to mass 502(7.9 - 12.3%)	9.55	OK
Ratio of 219 to 69 should be > 40% and is	81.35	OK
Ratio of 502 to 69 should be > 2.4% and is	11.68	OK
Mass 69 Precursor (<= 3%)	0.25	OK
Mass 219 Precursor (<= 6%)	0.77	OK
Mass 502 Precursor (<= 12%)	1.11	OK

597x Air and Water Check

Tue Sep 09 15:19:02 2025	Instrument: BCCL SD GCMS 3
D:\MASSHUNTER\GCMS\1\5977\atune.u	US1329M205

Testing for a leak in the system

Ratio of 18 to 69 (<20%)	0.22	OK
Ratio of 28 to 69 (<10%)	6.48	OK
Electron Multiplier Voltage	1971	OK

Tune portion of System Verification passed.

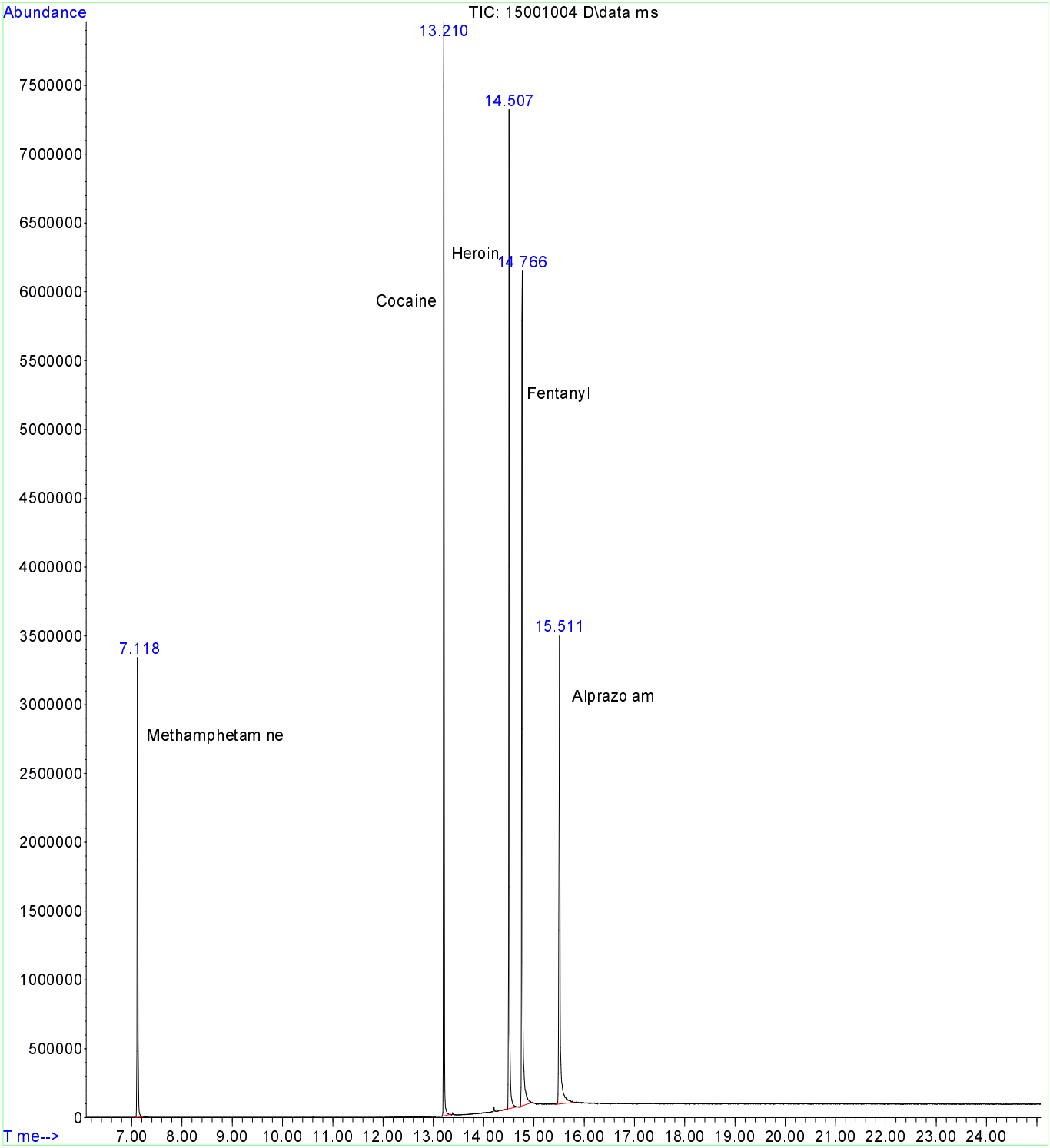
BCCL GC/MS #3
Retention Times for the Week of:

09/09/2025 - 09/14/2025

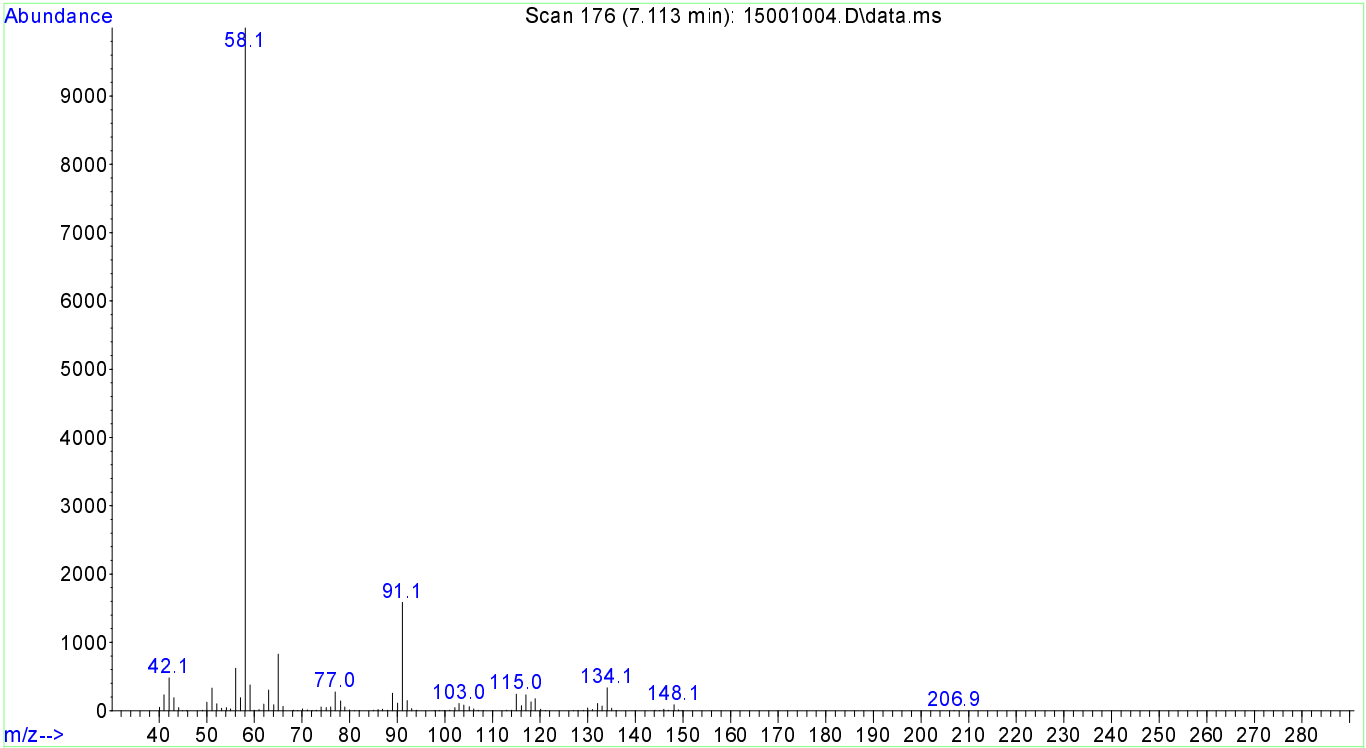
[x] **Tune: DS 09/09/2025 - Autotune**

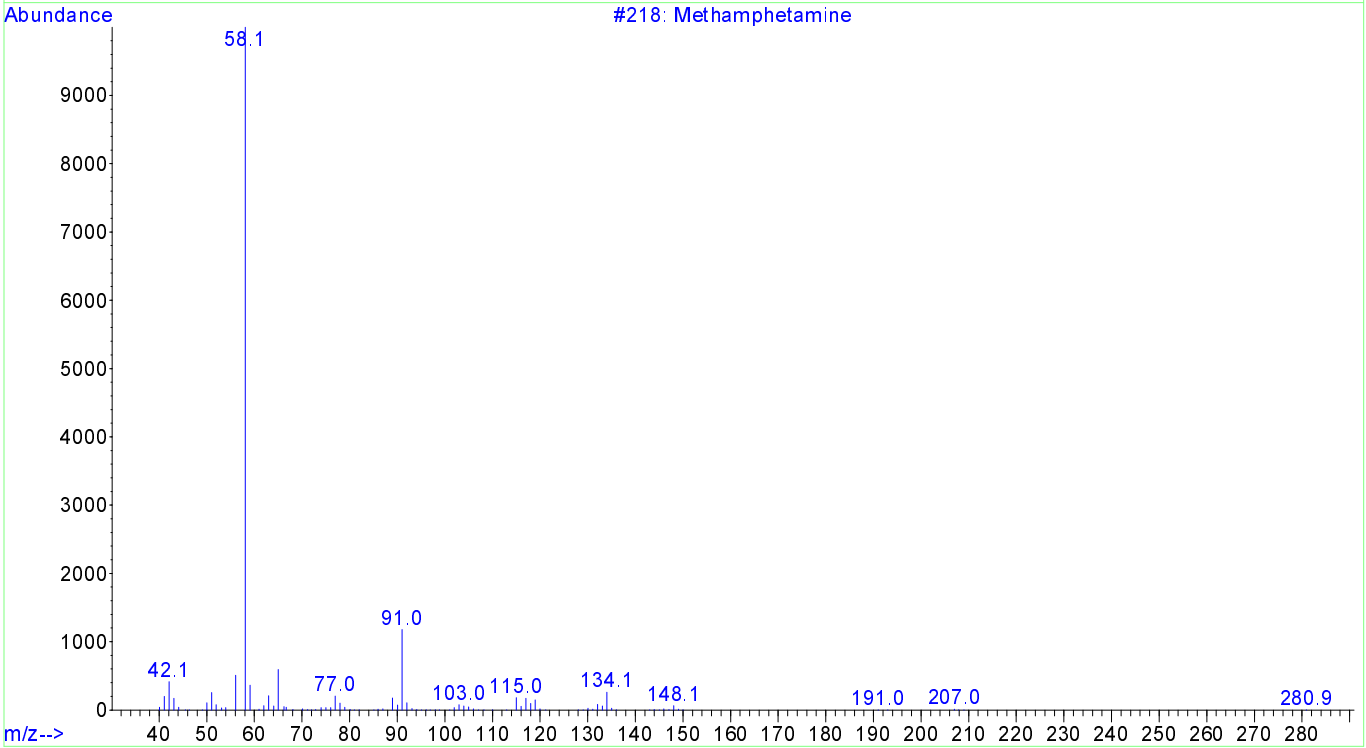
Standard	Standard #	Method	Retention Time	1% Window	
Methamphetamine	R-25-0018	DrugTest35	7.118	7.046	7.189
Cocaine	R-25-0018	DrugTest35	13.210	13.077	13.342
Heroin	R-25-0018	DrugTest35	14.507	14.361	14.652
Fentanyl	R-25-0018	DrugTest35	14.766	14.618	14.913
Alprazolam	R-25-0018	DrugTest35	15.511	15.355	15.666
N-Pyrrolidino Butonitazene	R-25-0023	DrugTest35	20.396	20.192	20.599
N-Pyrrolidino Isotonitazene	R-25-0025	DrugTest35	18.663	18.476	18.849
N-Pyrrolidino Protodesnitazene	R-25-0033	DrugTest35	15.865	15.706	16.023

```
File       :D:\MassHunter\GCMS\1\GCMS 3 data\Standards\Weekly Check\2025
...          Data\090925\15001004.D
Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 09 Sep 2025  16:10     using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-25-0018)                  000002285
Misc Info  :                                                 000002285
```

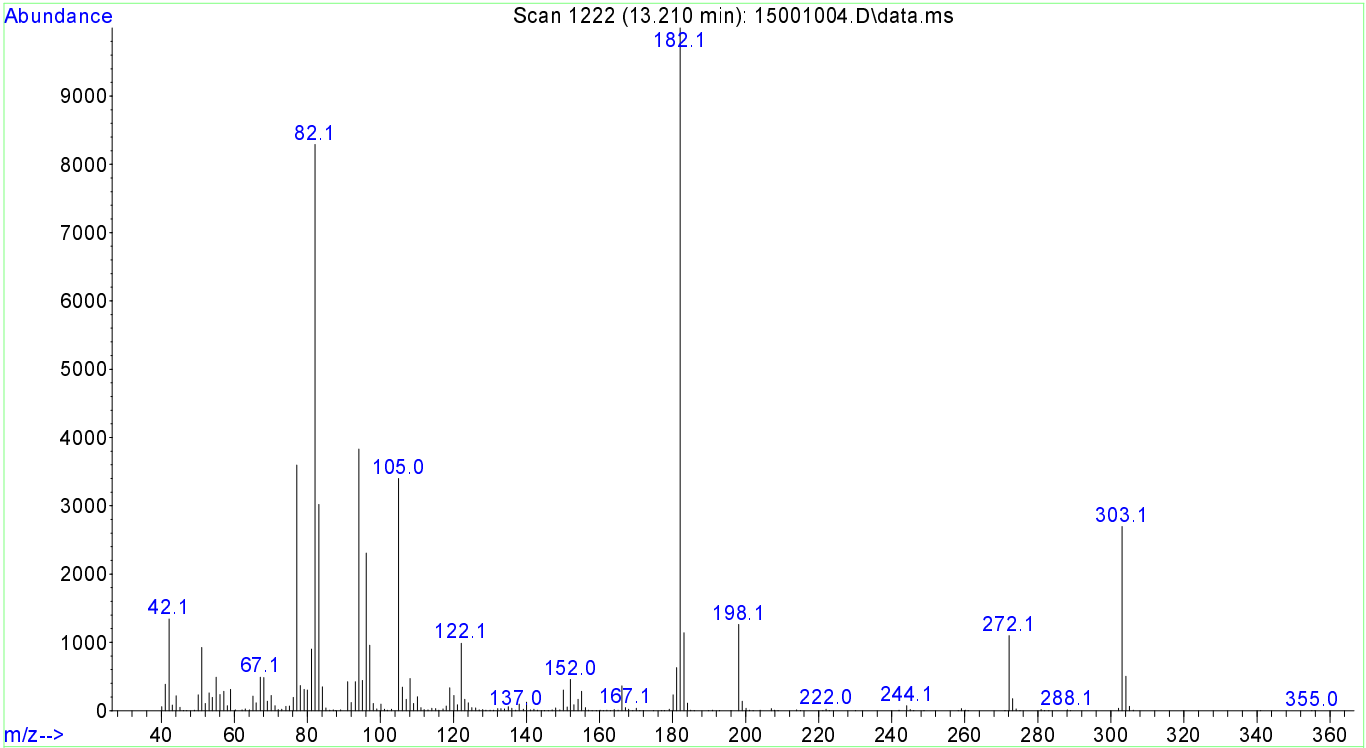


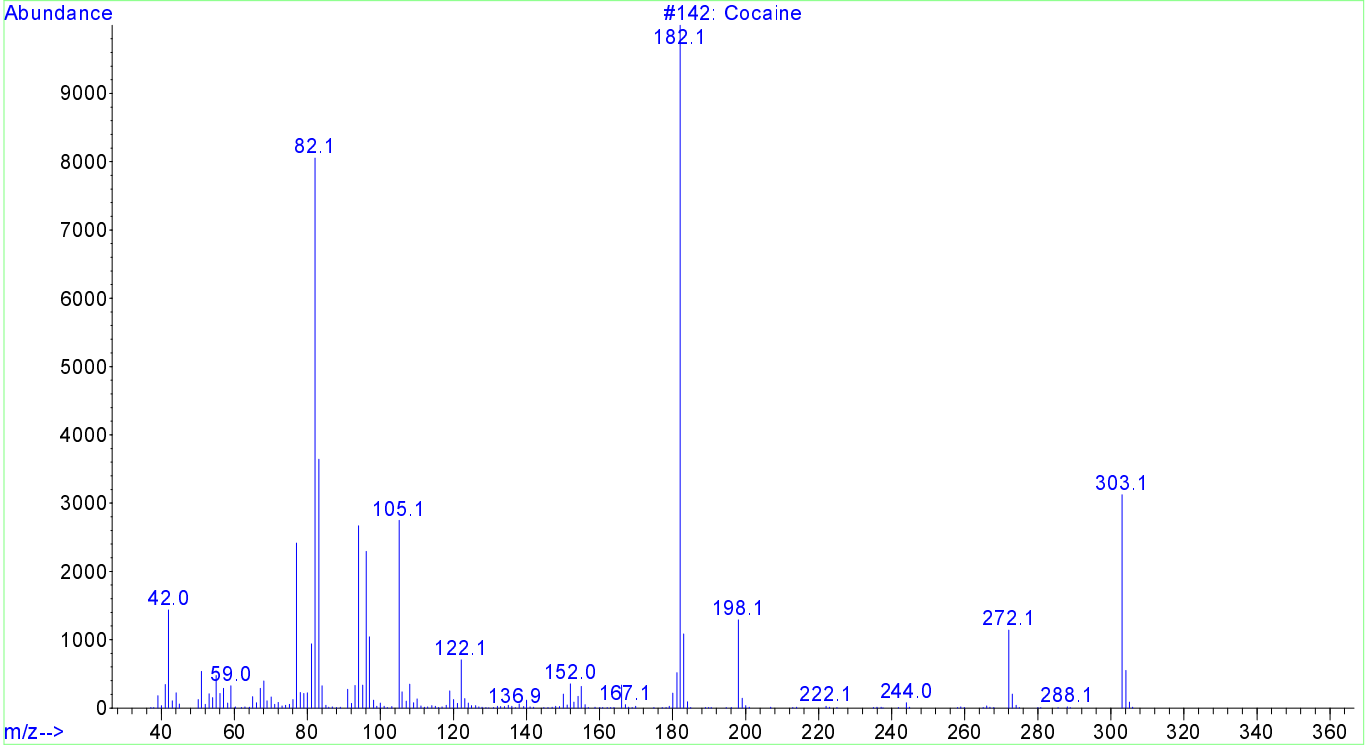
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Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 09 Sep 2025  16:10     using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-25-0018)                  000002285
Misc Info  :                                                 000002285
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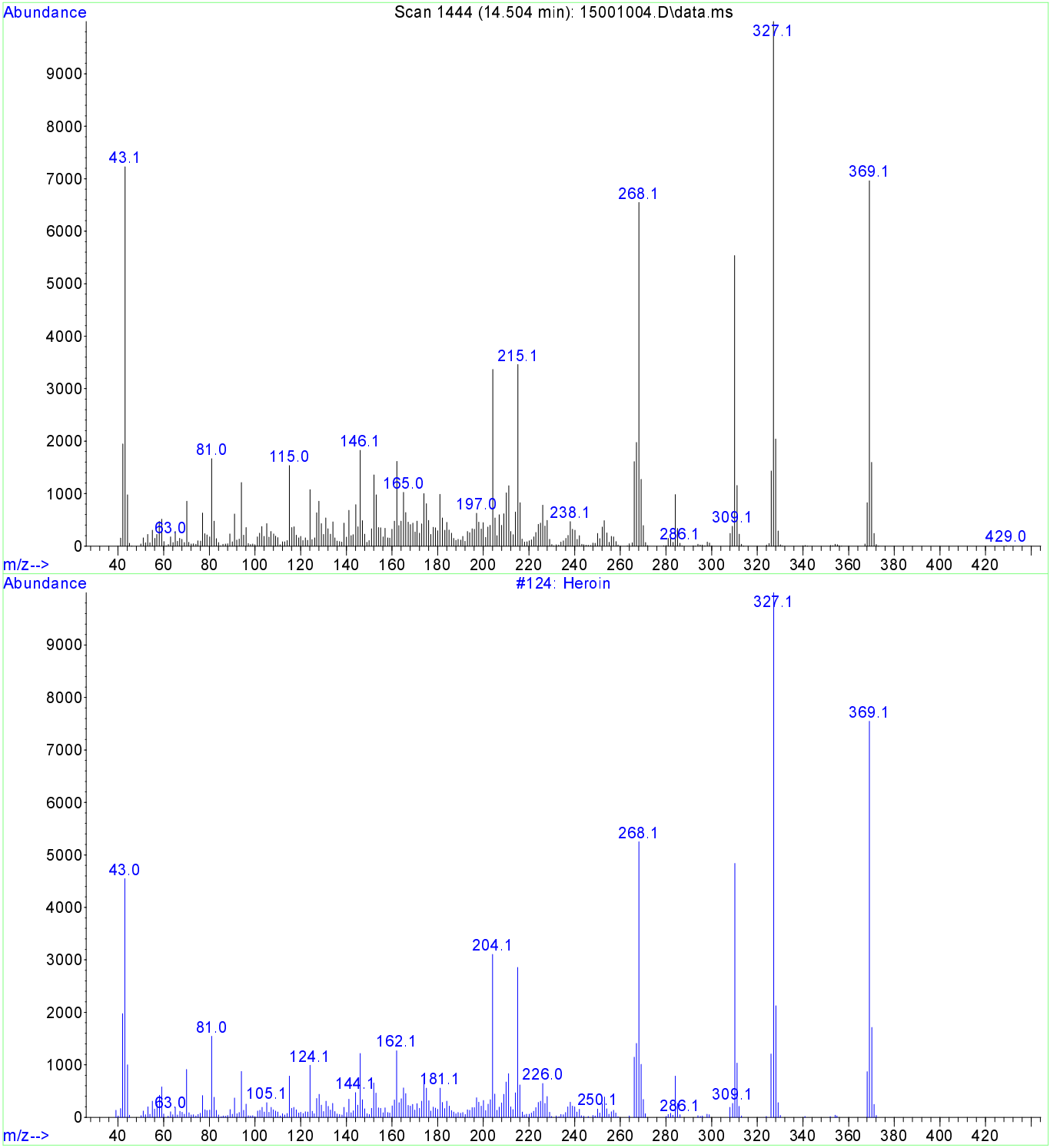


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Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 09 Sep 2025  16:10     using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-25-0018)                  000002285
Misc Info  :                                                 000002285
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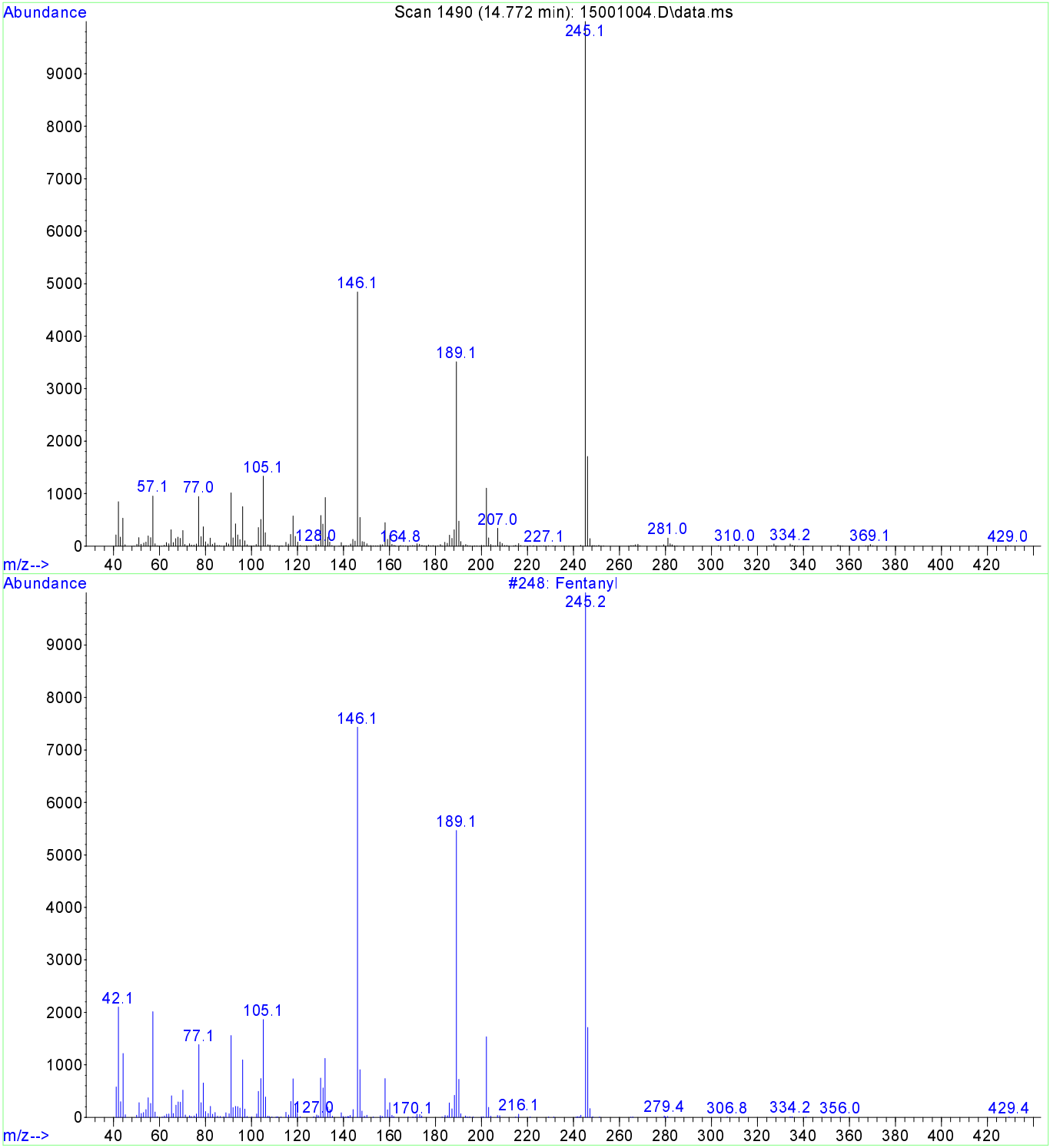




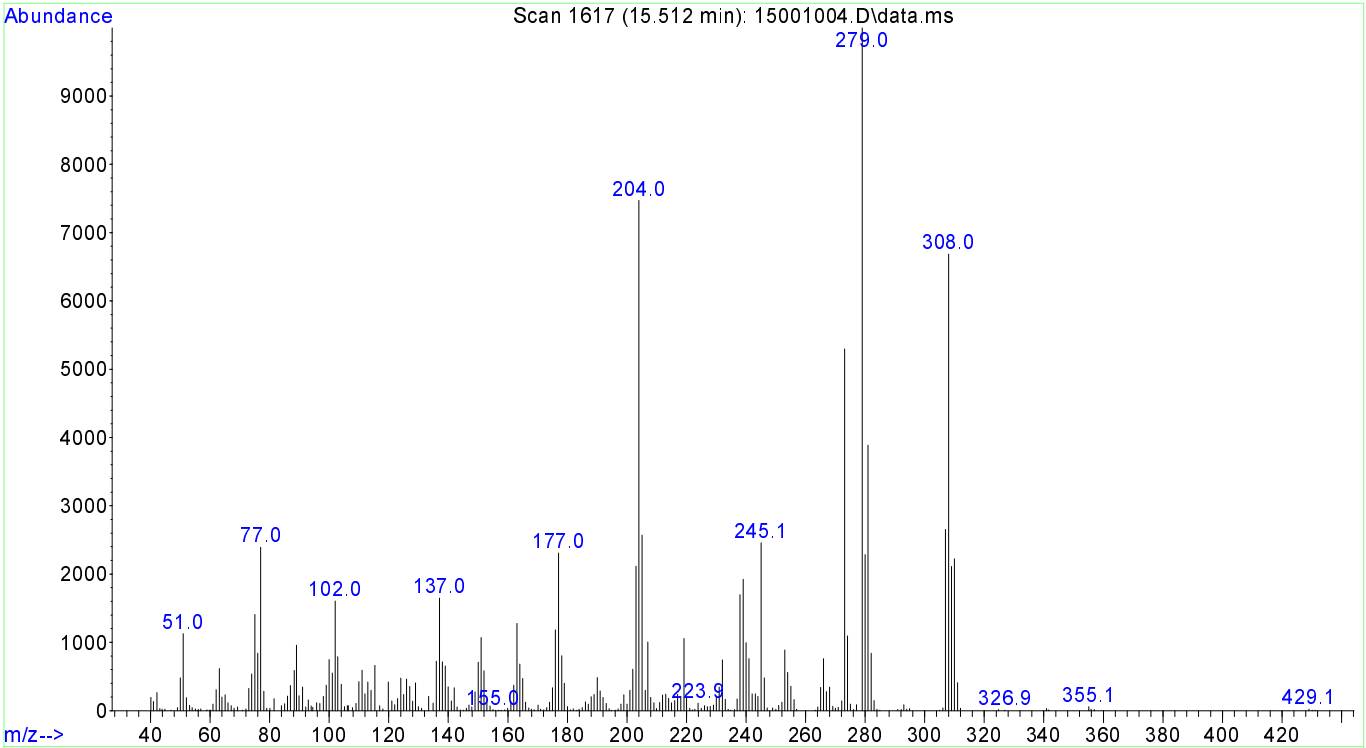
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... Data\090925\15001004.D
Operator : DrugChem-HP\admin
Instrument : BCCL SD GCMS 3
Acquired : 09 Sep 2025 16:10 using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-25-0018) 000002285
Misc Info : 000002285



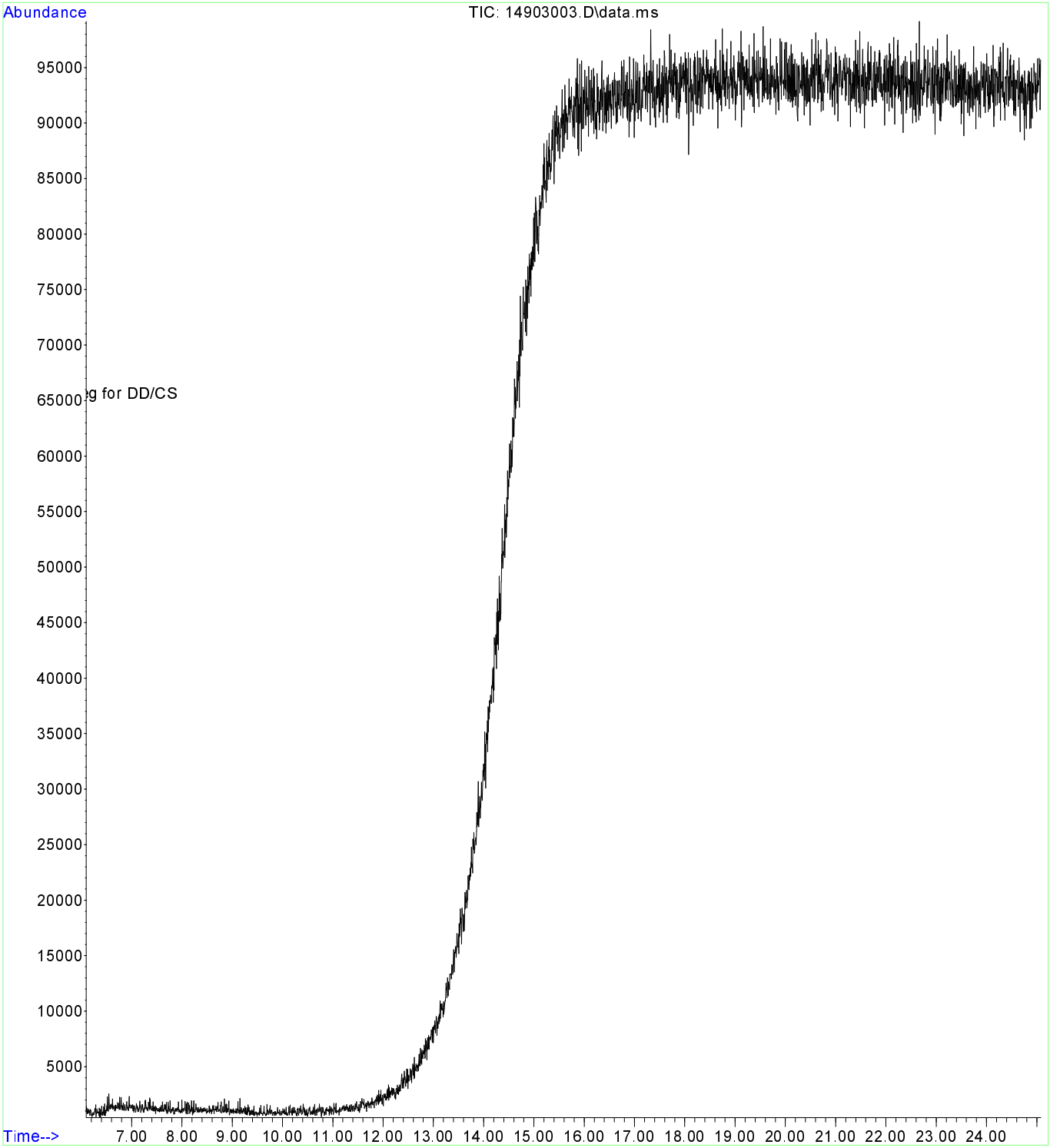
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Instrument :   BCCL SD GCMS 3
Acquired   : 09 Sep 2025  16:10     using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-25-0018)                  000002285
Misc Info  :                                                 000002285
```



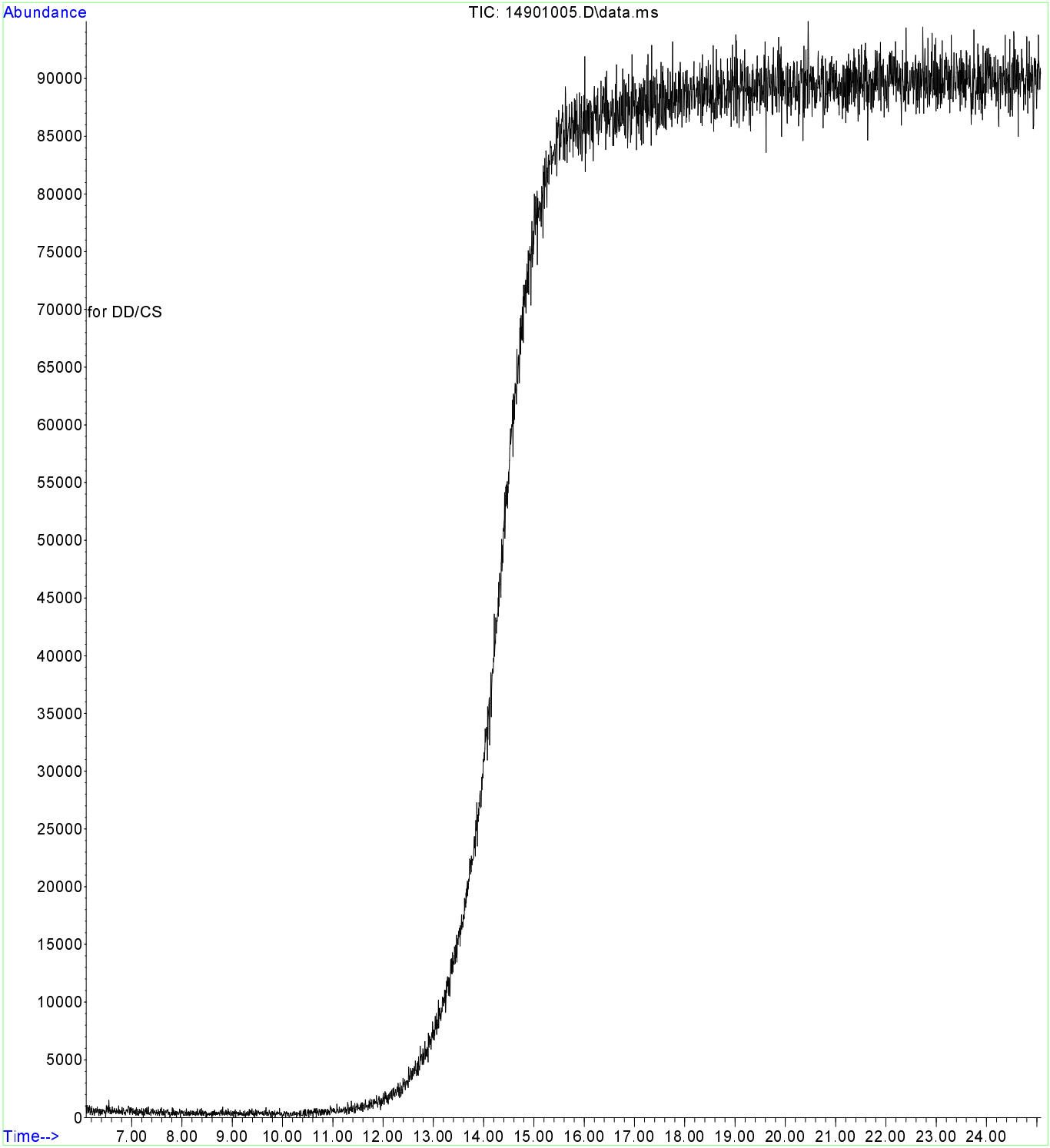
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...          Data\090925\15001004.D
Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 09 Sep 2025  16:10     using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-25-0018)                  000002285
Misc Info  :                                                 000002285
```



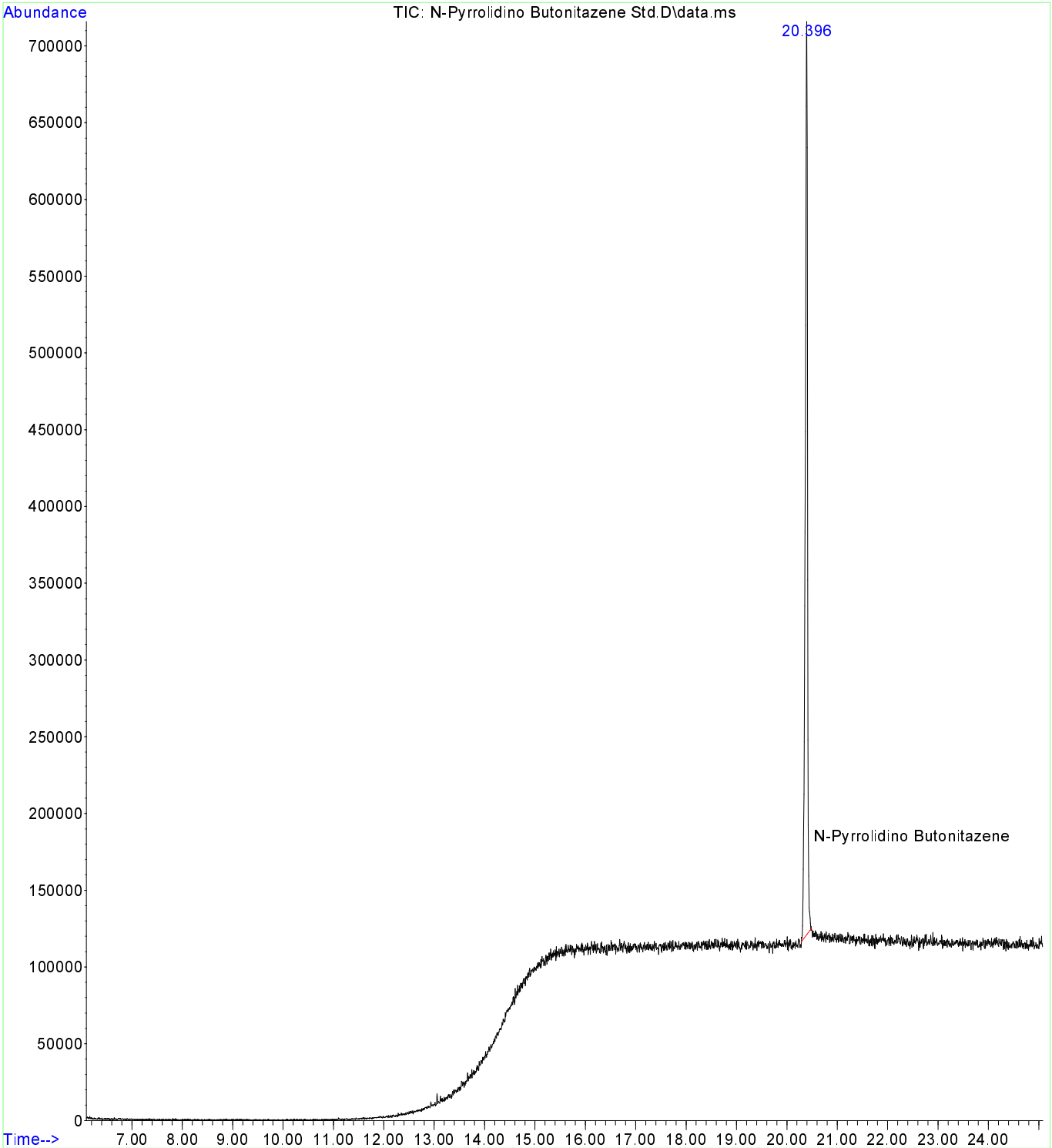
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... Data\090925\14903003.D
Operator : DrugChem-HP\admin
Instrument : BCCL SD GCMS 3
Acquired : 09 Sep 2025 15:41 using AcqMethod DrugTest35.M
Sample Name: BLANK (C-20-0051A) PRIOR TO CAYMAN GC/MS MIX 3 (R-25-0018) 000002078
Misc Info : 000002078



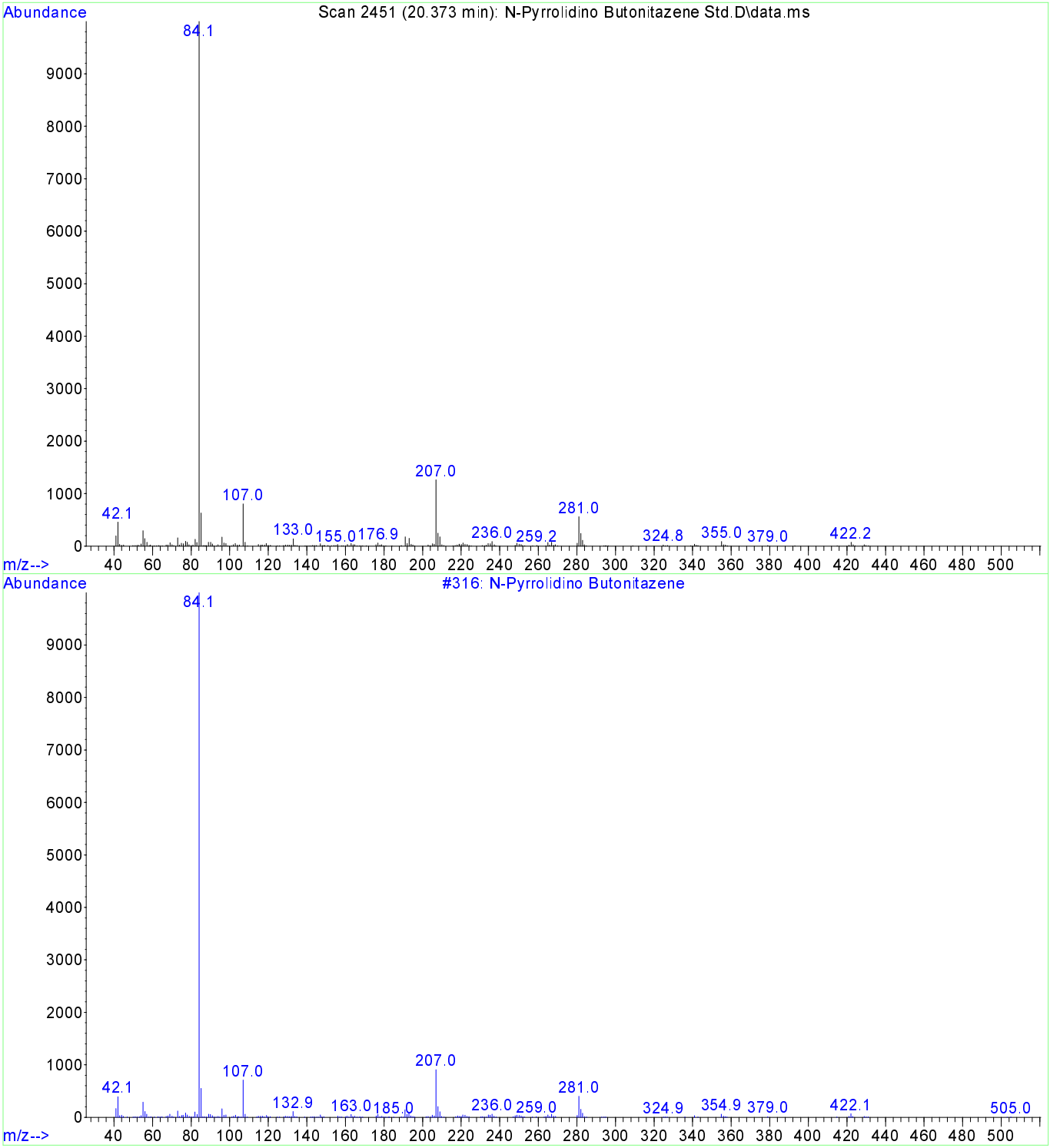
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Operator : DrugChem-HP\admin
Instrument : BCCL SD GCMS 3
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Sample Name: BLANK (C-20-0051A) - INSTRUMENT READY 000002078
Misc Info : 000002078



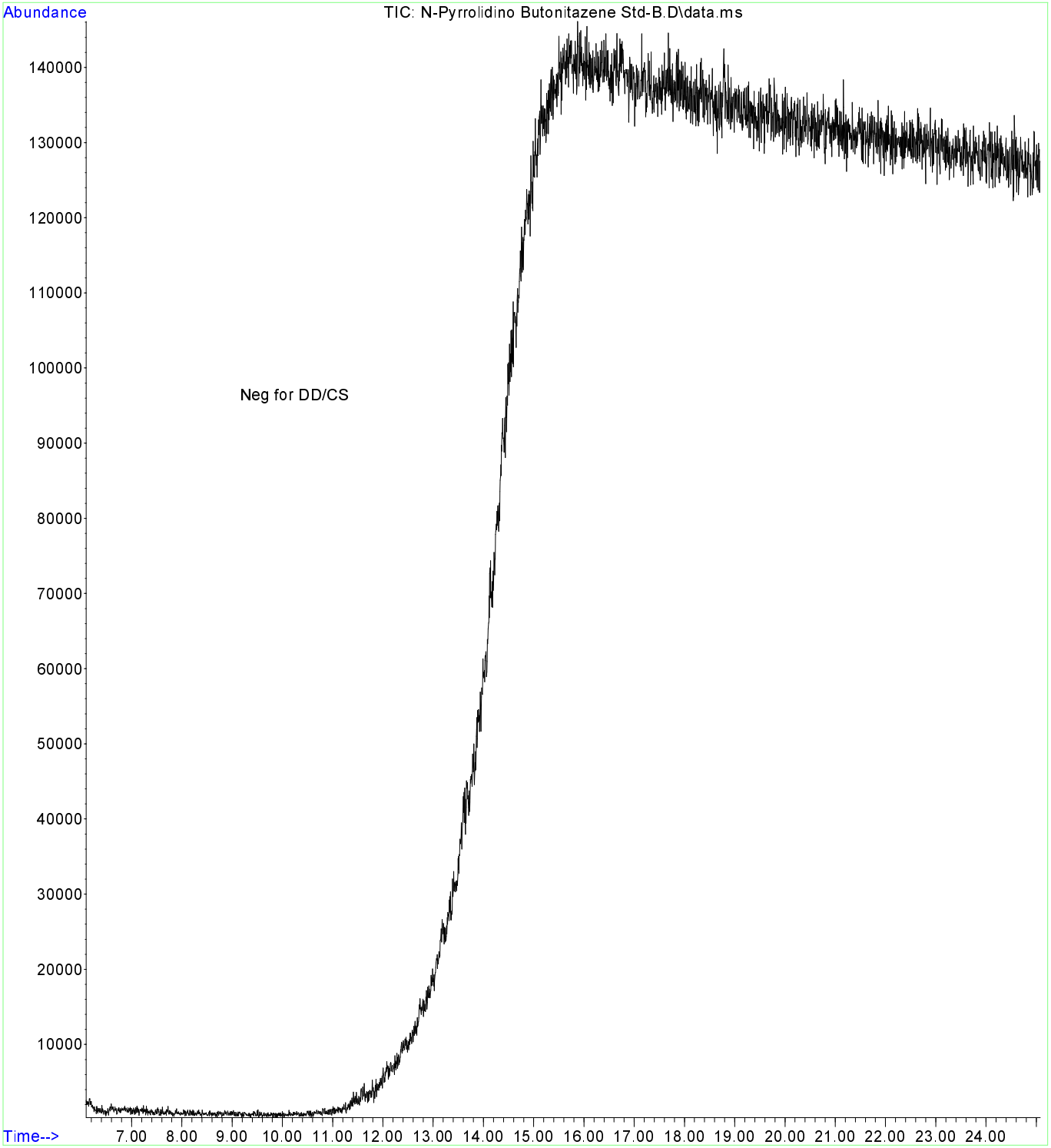
File :D:\MassHunter\GCMS\1\GCMS 3 data\2025 Data\091025\N-Pyrrolid
... ino Butonitazene Std.D
Operator : DrugChem-HP\admin
Instrument : BCCL SD GCMS 3
Acquired : 10 Sep 2025 16:08 using AcqMethod DrugTest35.M
Sample Name: N-Pyrrolidino Butonitazene (R-25-0023) Std 000002813
Misc Info : Rt determination 000002813



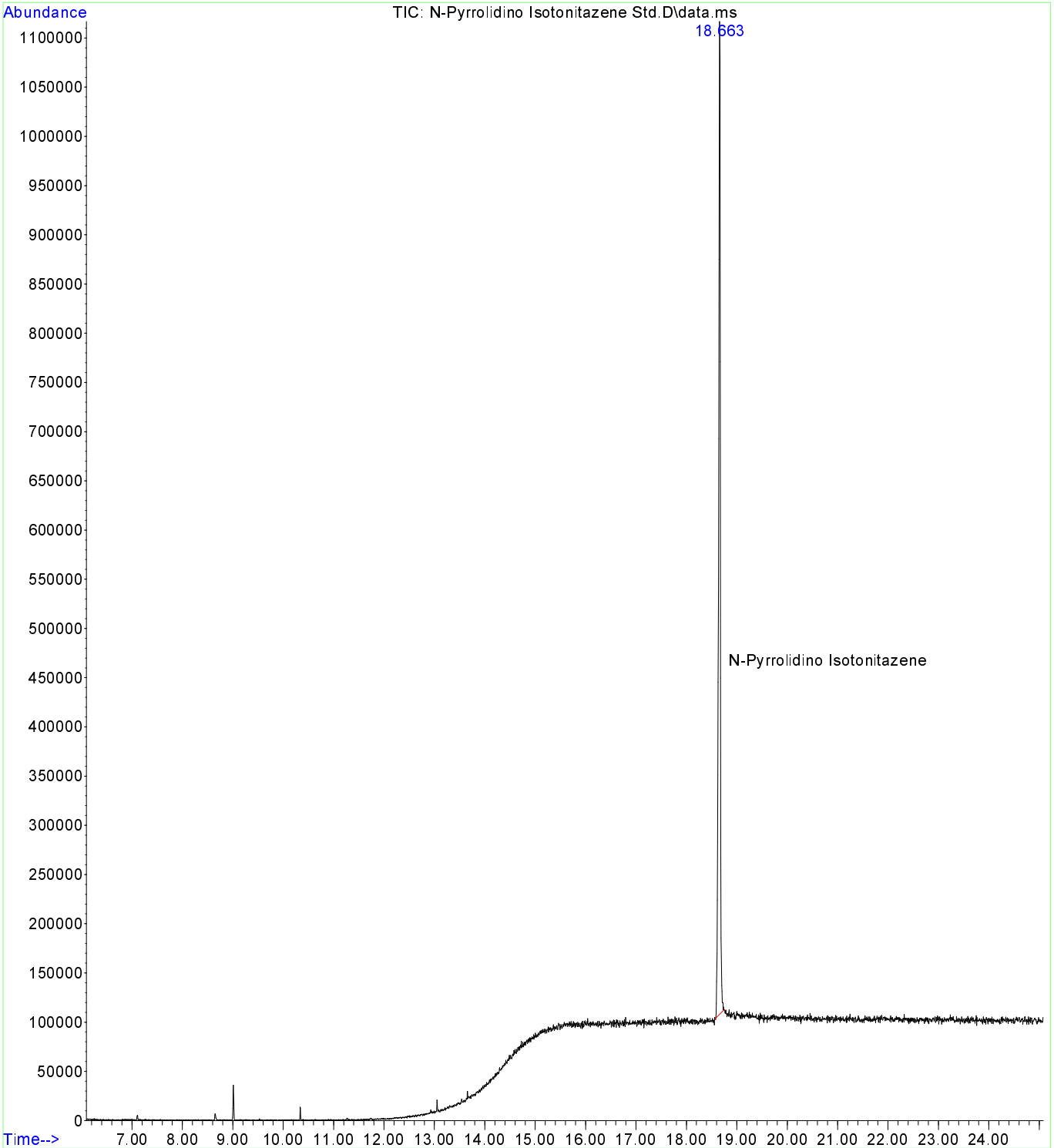
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File       :D:\MassHunter\GCMS\1\GCMS 3 data\2025 Data\091025\N-Pyrrolid
...         ino Butonitazene Std.D
Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 10 Sep 2025  16:08     using AcqMethod DrugTest35.M
Sample Name: N-Pyrrolidino Butonitazene (R-25-0023) Std     000002813
Misc Info  : Rt determination                               000002813
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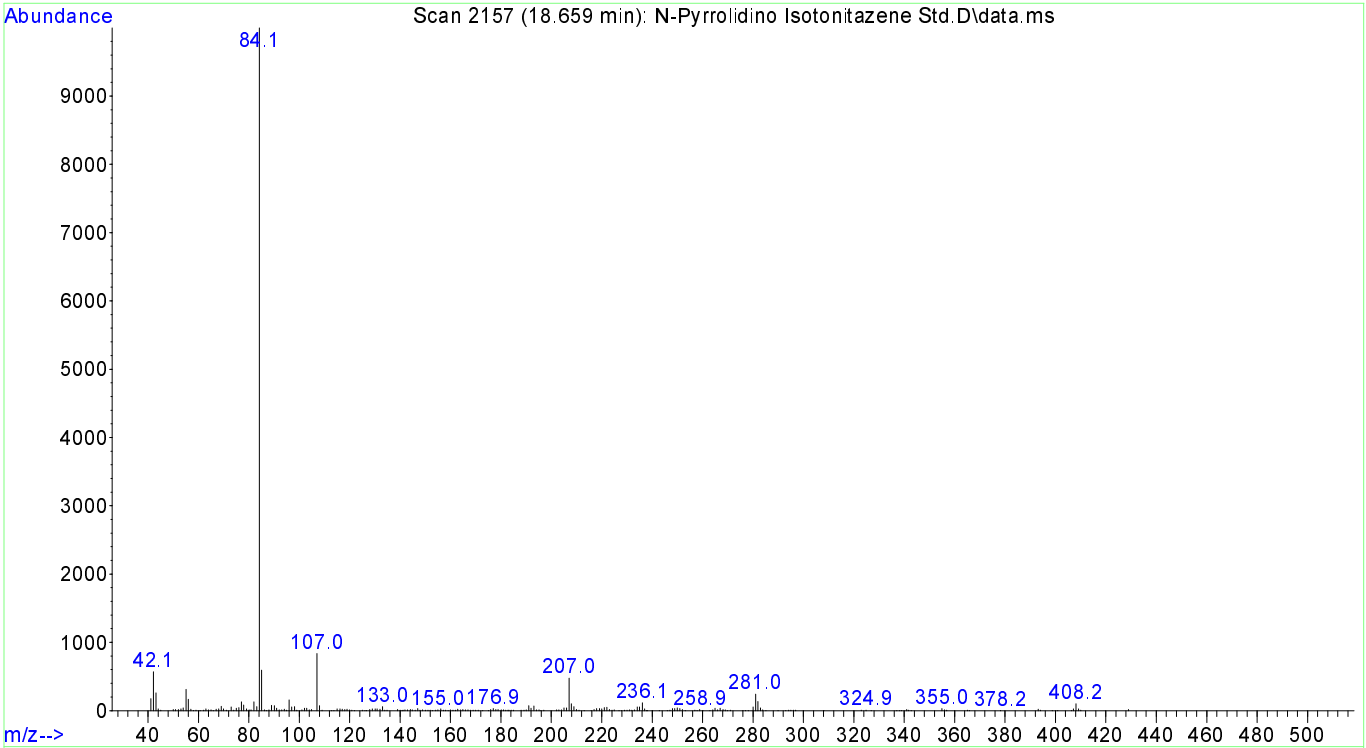
File :D:\MassHunter\GCMS\1\GCMS 3 data\2025 Data\091025\N-Pyrrolid
... ino Butonitazene Std-B.D
Operator : DrugChem-HP\admin
Instrument : BCCL SD GCMS 3
Acquired : 10 Sep 2025 15:39 using AcqMethod DrugTest35.M
Sample Name: blank prior to N-Pyrrolidino Butonitazene (R-25-0023) Std 000002531
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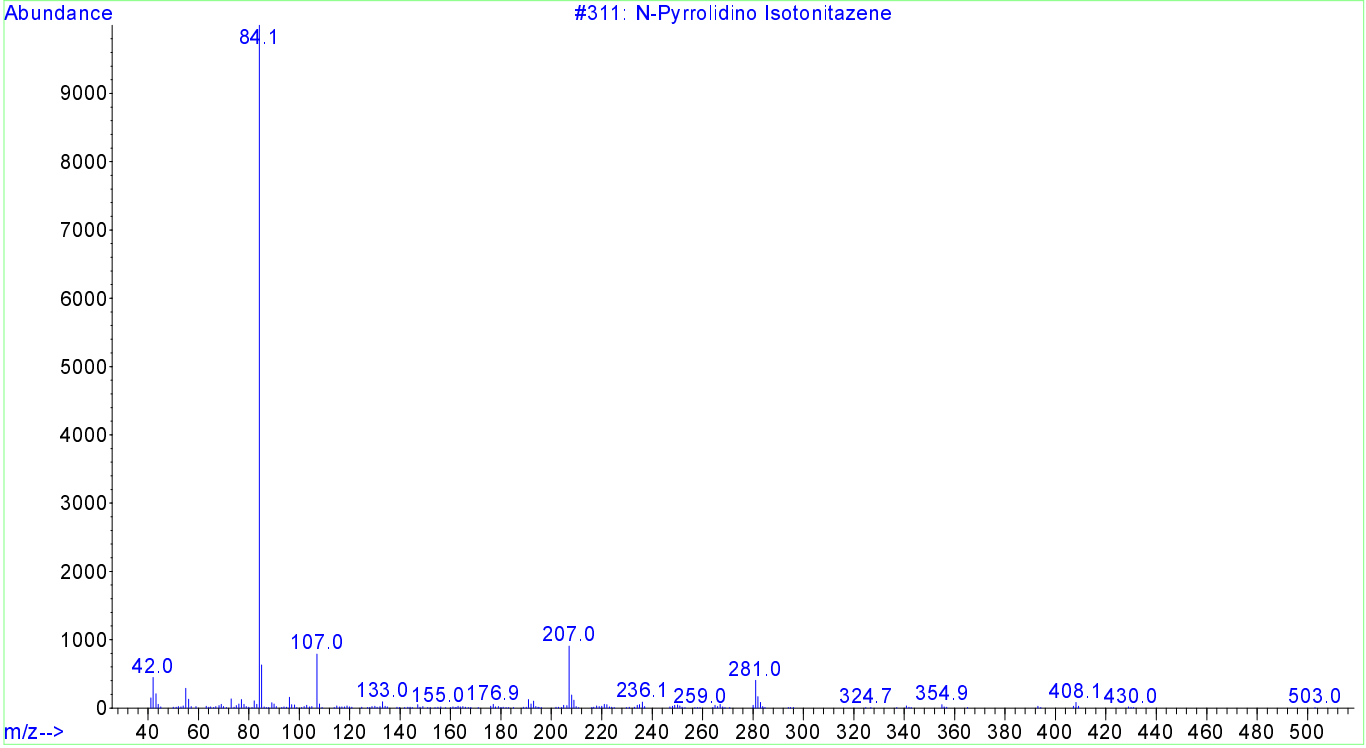


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File       :D:\MassHunter\GCMS\1\GCMS 3 data\2025 Data\091025\N-Pyrrolid
...         ino Isotonitazene Std.D
Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 10 Sep 2025  10:41     using AcqMethod DrugTest35.M
Sample Name: N-Pyrrolidino Isotonitazene (R-25-0025) Std    000002821
Misc Info  : Rt determination                               000002821
```

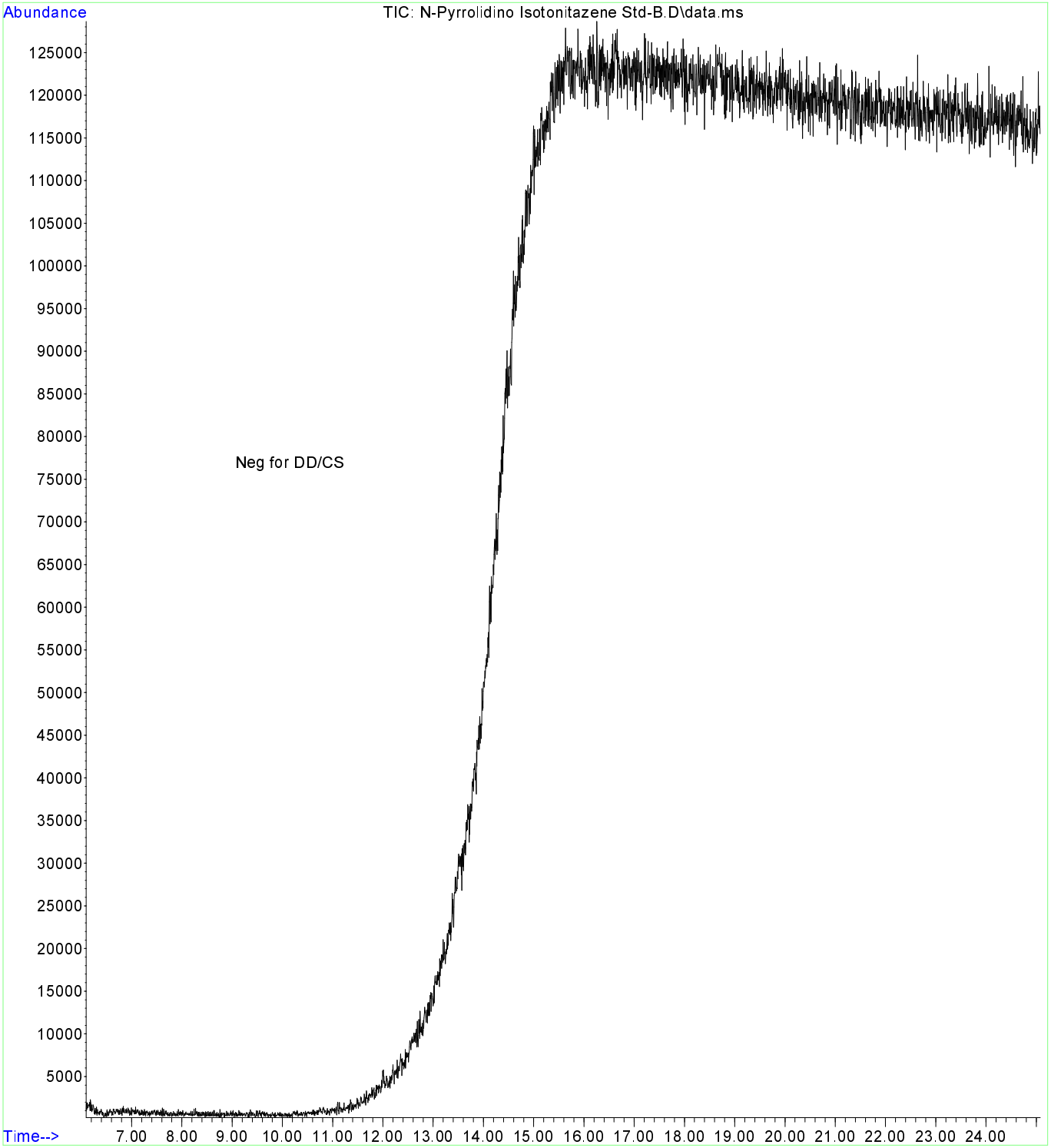


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File       :D:\MassHunter\GCMS\1\GCMS 3 data\2025 Data\091025\N-Pyrrolid
...         ino Isotonitazene Std.D
Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 10 Sep 2025  10:41     using AcqMethod DrugTest35.M
Sample Name: N-Pyrrolidino Isotonitazene (R-25-0025) Std    000002821
Misc Info  : Rt determination                               000002821
```

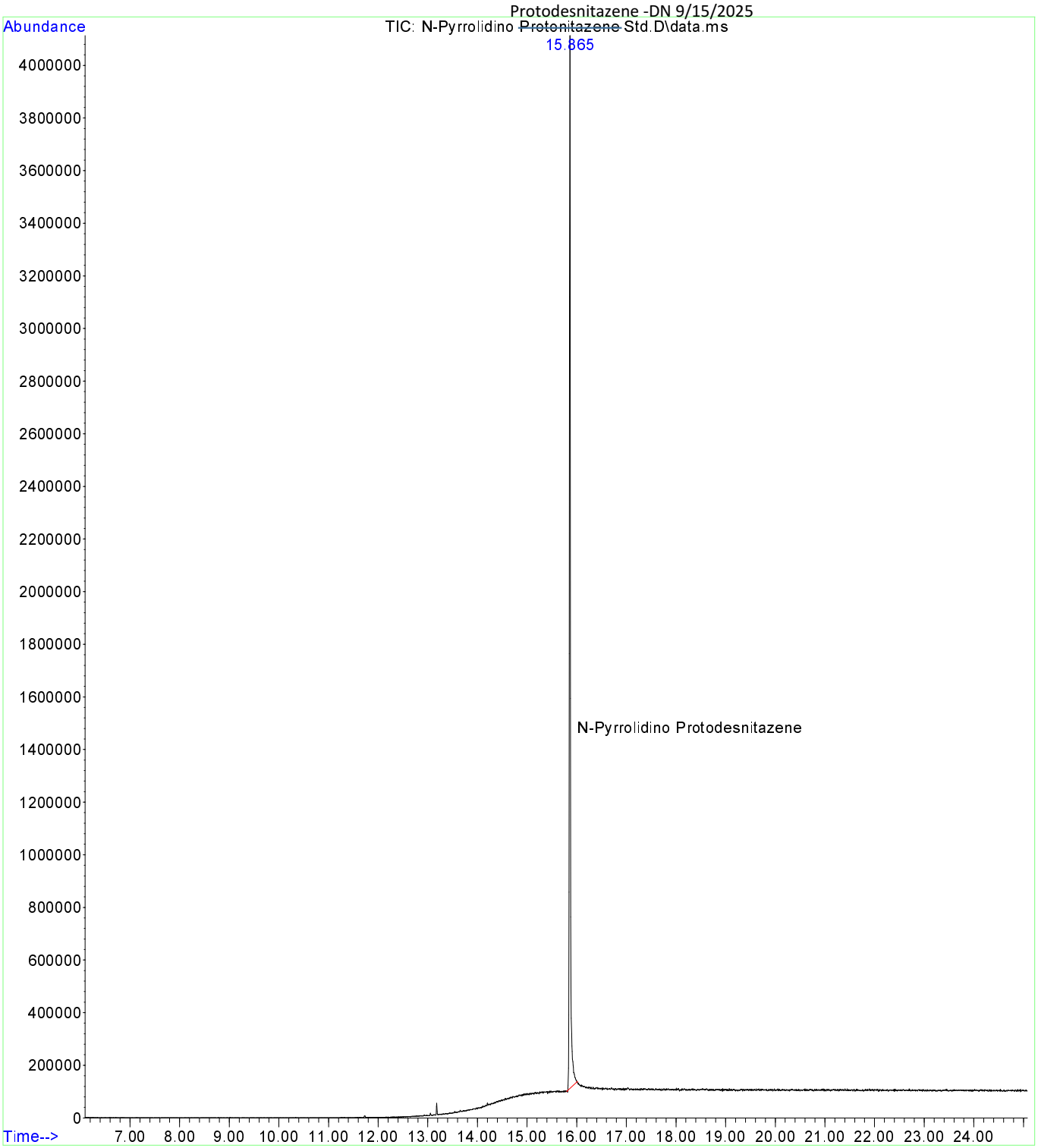




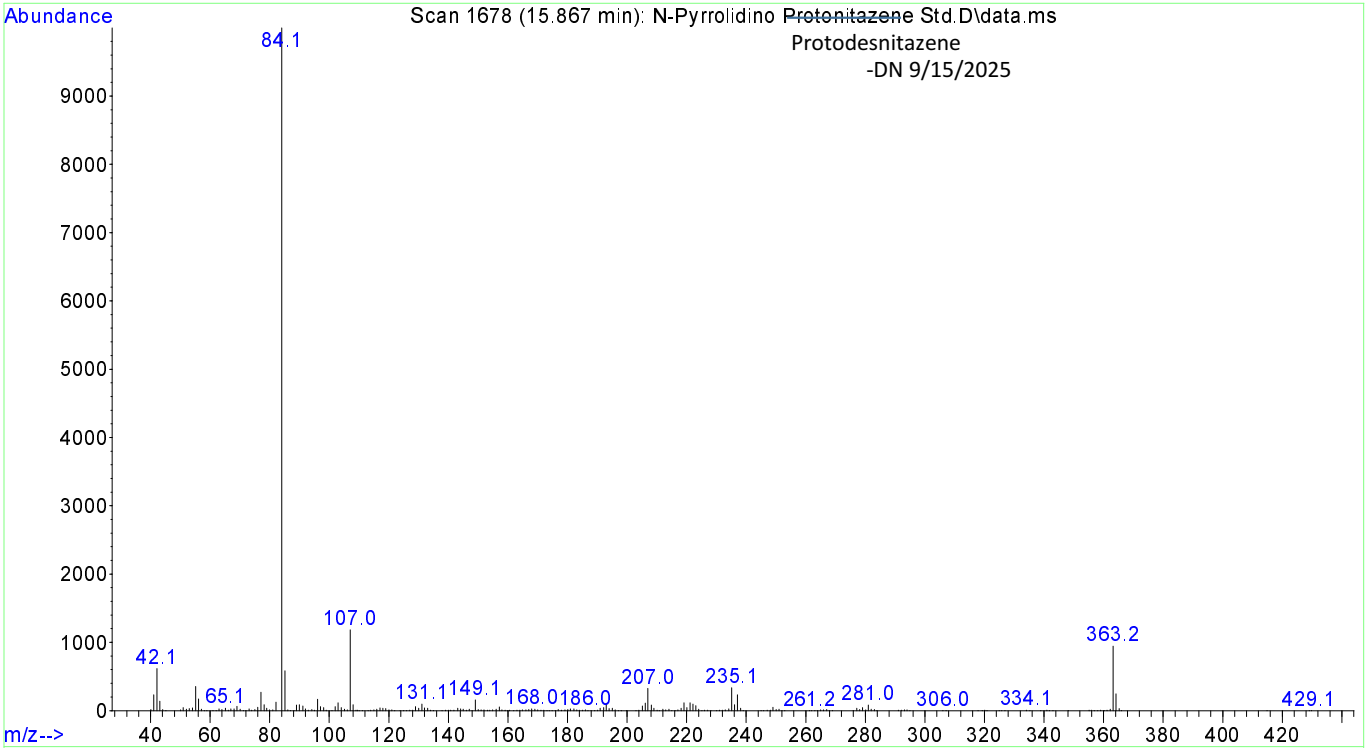
File :D:\MassHunter\GCMS\1\GCMS 3 data\2025 Data\091025\N-Pyrrolid
... ino Isotonitazene Std-B.D
Operator : DrugChem-HP\admin
Instrument : BCCL SD GCMS 3
Acquired : 10 Sep 2025 10:13 using AcqMethod DrugTest35.M
Sample Name: blank prior to N-Pyrrolidino Isotonitazene (R-25-0025) Std 000002531
Misc Info : EtAc (C-22-0063A) 000002531

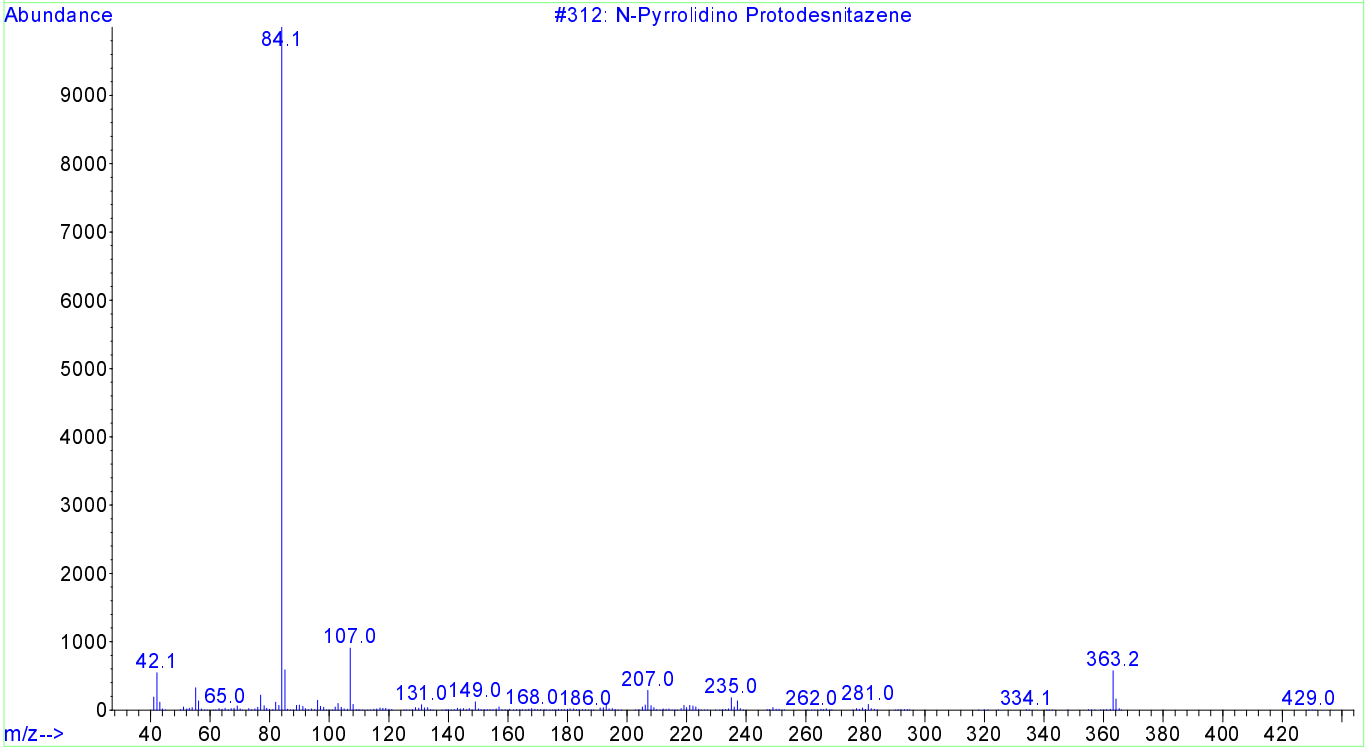


File :D:\MassHunter\GCMS\1\GCMS 3 data\2025 Data\091025\N-Pyrrolid
... ino ~~Protonitazene~~ Std.D
Protodesnitazene
-DN 9/15/2025
Operator : DrugChem-HP\admin
Instrument : BCCL SD GCMS 3
Acquired : 10 Sep 2025 11:47 using AcqMethod DrugTest35.M
Sample Name: N-Pyrrolidino ~~Protonitazene~~ (R-25-0033) St 000002835
Misc Info : Rt determination Protodesnitazene 000002835
-DN 9/15/2025



File :D:\MassHunter\GCMS\1\GCMS 3 data\2025 Data\091025\N-Pyrrolid
... ino ~~Protonitazene~~ Protodesnitazene Std.D
-DN 9/15/2025
Operator : DrugChem-HP\admin
Instrument : BCCL SD GCMS 3
Acquired : 10 Sep 2025 11:47 using AcqMethod DrugTest35.M
Sample Name: N-Pyrrolidino ~~Protonitazene~~ (R-25-0033) St 000002835
Misc Info : Rt determination Protodesnitazene 000002835
-DN 9/15/2025



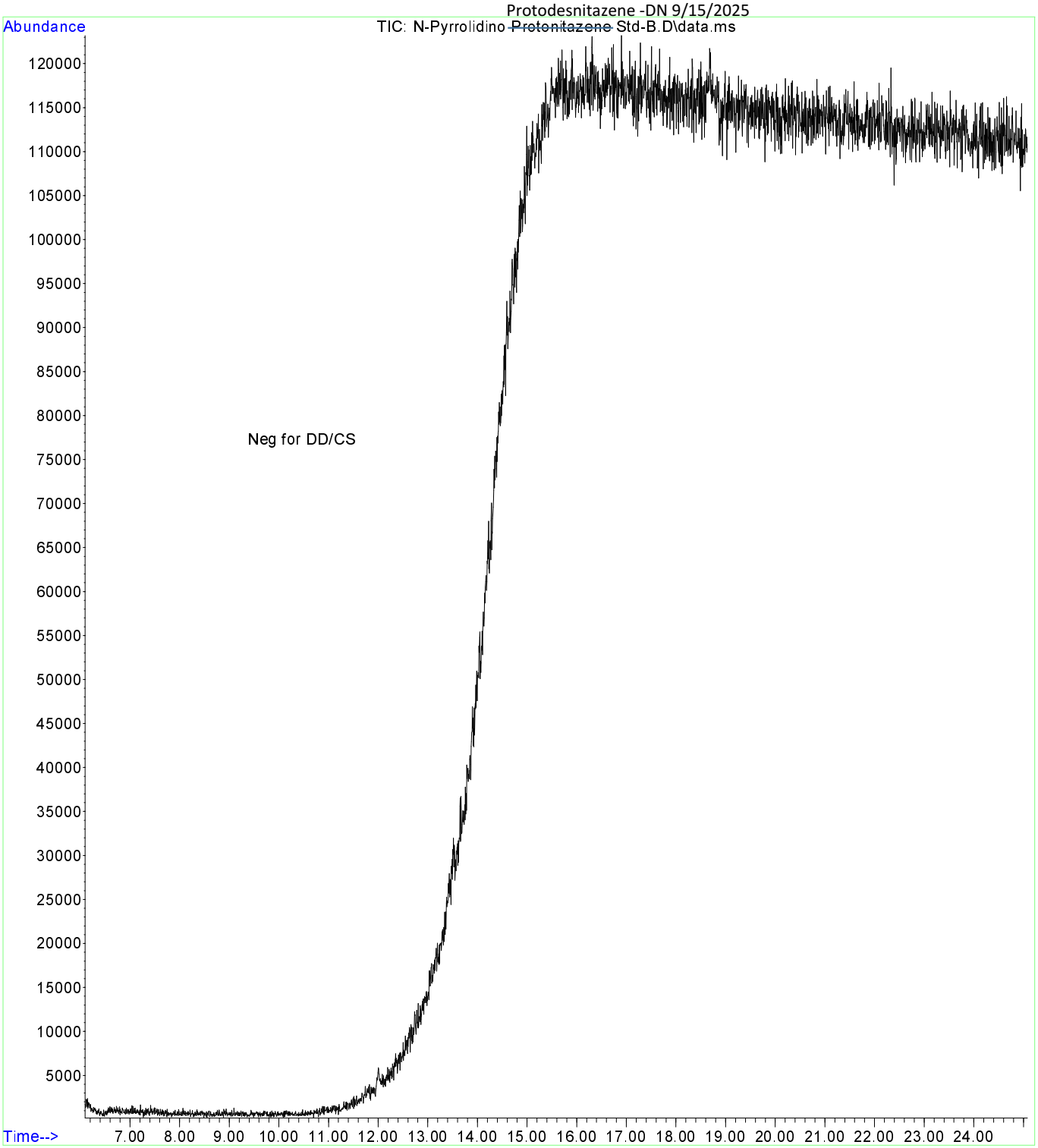


File :D:\MassHunter\GCMS\1\GCMS 3 data\2025 Data\091025\N-Pyrrolid
... ino ~~Protonitazene~~ Std-B.D
Operator : DrugChem-HP\admin
Instrument : BCCL SD GCMS 3
Acquired : 10 Sep 2025 11:18 using AcqMethod DrugTest35.M
Sample Name: blank prior to N-Pyrrolidino ~~Protonitazene~~ (R-25-0033) Std 000002531
Misc Info : EtAc (C-22-0063A)

Protodesnitazene
-DN 9/15/2025

Protodesnitazene
-DN 9/15/2025

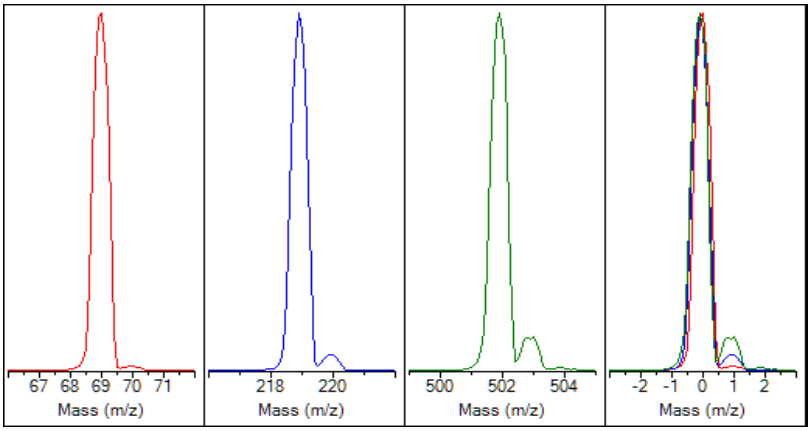
Protodesnitazene -DN 9/15/2025



Autotune - 5977

9/15/2025 9:51:54 AM (UTC-5:00) BCCL SD GCMS 3

D:\MASSHUNTER\GCMS\1\5977\atune.u US1329M205



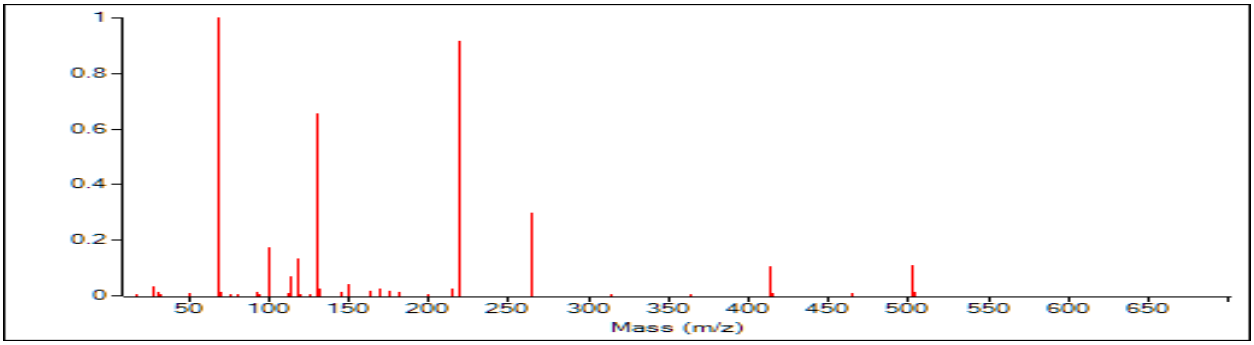
Ion Polarity	Pos	Mass Gain	-368
Emission	34.6	Mass Offset	-35
Electron Energy	70.0	Amu Gain	1673
Filament	2	Amu Offset	121.25
Repeller	30.12	Width219	-0.006
Ion Focus	90.3	DC Polarity	Pos
Entrance Lens	17.6	HED Enable	On
Ent Lens Offset	12.36	EM Volts	1970.5
Ion Body	0.00	Extractor Lens	0.00
		Scan Speed	3
		Averages	3
PFTBA	Open	Step Size	0.10

Temperatures and Pressures

MS Source	230	Turbo Speed	100.0
MS Quad	150	Hi Vac	8.86e-06

Mass	Abund	Rel Abund	Pw50
69.00	394,325	100.0%	0.61
218.90	360,275	91.4%	0.60
501.90	42,657	10.8%	0.61

Low	High	Step	Speed	Threshold	Peaks	Base	Abundance	Total Ion
10.00	701.00	0.10	3	100	97	69.00	377,280	1,462,089



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	377,280	100.00	70.00	4,413	1.17
219.00	345,984	91.70	220.00	15,646	4.52
502.10	41,000	10.87	503.10	4,257	10.38

Air/Water Check: H20 ~0.4% N2 ~3.2% O2 ~0.4% CO2 ~0.1% N2/H20 ~783.7%

Column(1) Flow: 0.80 Column(2): 0.00 ml/min Interface Temp: 280

Ramp Criteria:

Ion Focus maximum 90 volts using ion 502; Electron Multiplier Gain 157259.769

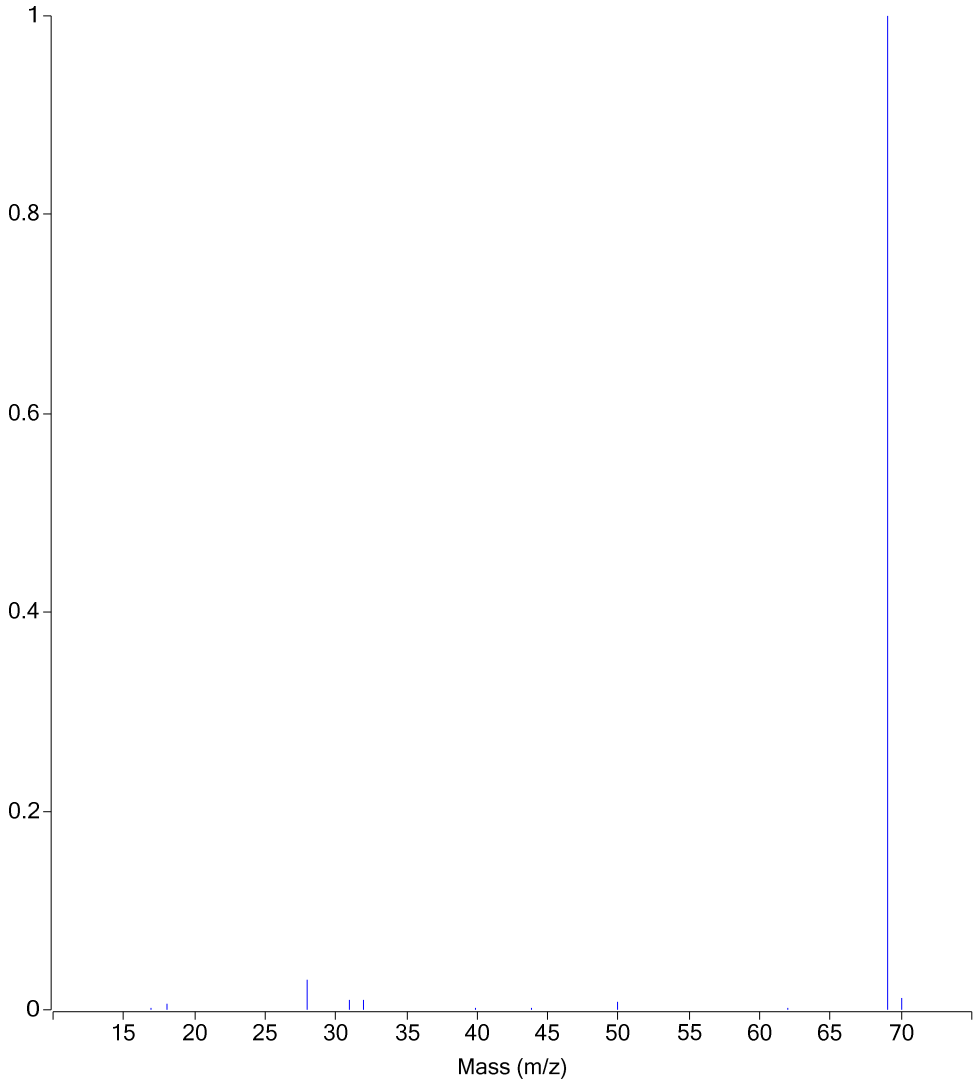
Repeller maximum 35 volts using ion 219; Gain Factor 1.5726

Mass Gain Values(Scan Speed): -345(3) -354(2) -313(1) -321(0) -320(FS1) -181(FS2)

TARGET MASS:	50	69	131	219	414	502	1050
Amu Offset	121.3	121.3	121.3	121.3	121.3	121.3	121.3
Entrance Lens Offset	12.4	12.4	12.4	12.4	12.4	12.4	12.4

597x Air and Water Check

Instrument: BCCL SD GCMS 3
Mon Sep 15 09:45:56 2025 D:\MassHunter\GCMS\1\5977\



Current Params used: atune.u

Relative abundances:

18/69 =	0.62	Water%	(counts=5638)
28/69 =	3.12	Nitrogen%	(counts=28264)
32/69 =	1.06	Oxygen%	(counts=9609)
44/69 =	0.20	Carbon Dioxide%	(counts=1851)
28/18 =	501.31	Nitrogen/Water%	

Instrument Name	: BCCL SD GCMS 3	
DC Polarity	: Positive	
Filament	2	
BasePeak should be 69 or 219		OK
Position of mass 69	69.00	OK
Position of mass 219	219.00	OK
Position of mass 502	502.10	OK
Position of isotope mass 70	70.00	OK
Position of isotope mass 220	220.00	OK
Position of isotope mass 503	503.10	OK
Ratio of mass 70 to mass 69(0.5 - 1.6%)	1.11	OK
Ratio of mass 220 to mass 219(3.2 - 5.4%)	4.37	OK
Ratio of mass 503 to mass 502(7.9 - 12.3%)	9.99	OK
Ratio of 219 to 69 should be > 40% and is	91.59	OK
Ratio of 502 to 69 should be > 2.4% and is	11.04	OK
Mass 69 Precursor (<= 3%)	0.23	OK
Mass 219 Precursor (<= 6%)	0.51	OK
Mass 502 Precursor (<= 12%)	1.15	OK

597x Air and Water Check

Mon Sep 15 09:55:40 2025	Instrument: BCCL SD GCMS 3
D:\MASSHUNTER\GCMS\1\5977\atune.u	US1329M205

Testing for a leak in the system

Ratio of 18 to 69 (<20%)	0.37	OK
Ratio of 28 to 69 (<10%)	3.39	OK
Electron Multiplier Voltage	1971	OK

Tune portion of System Verification passed.

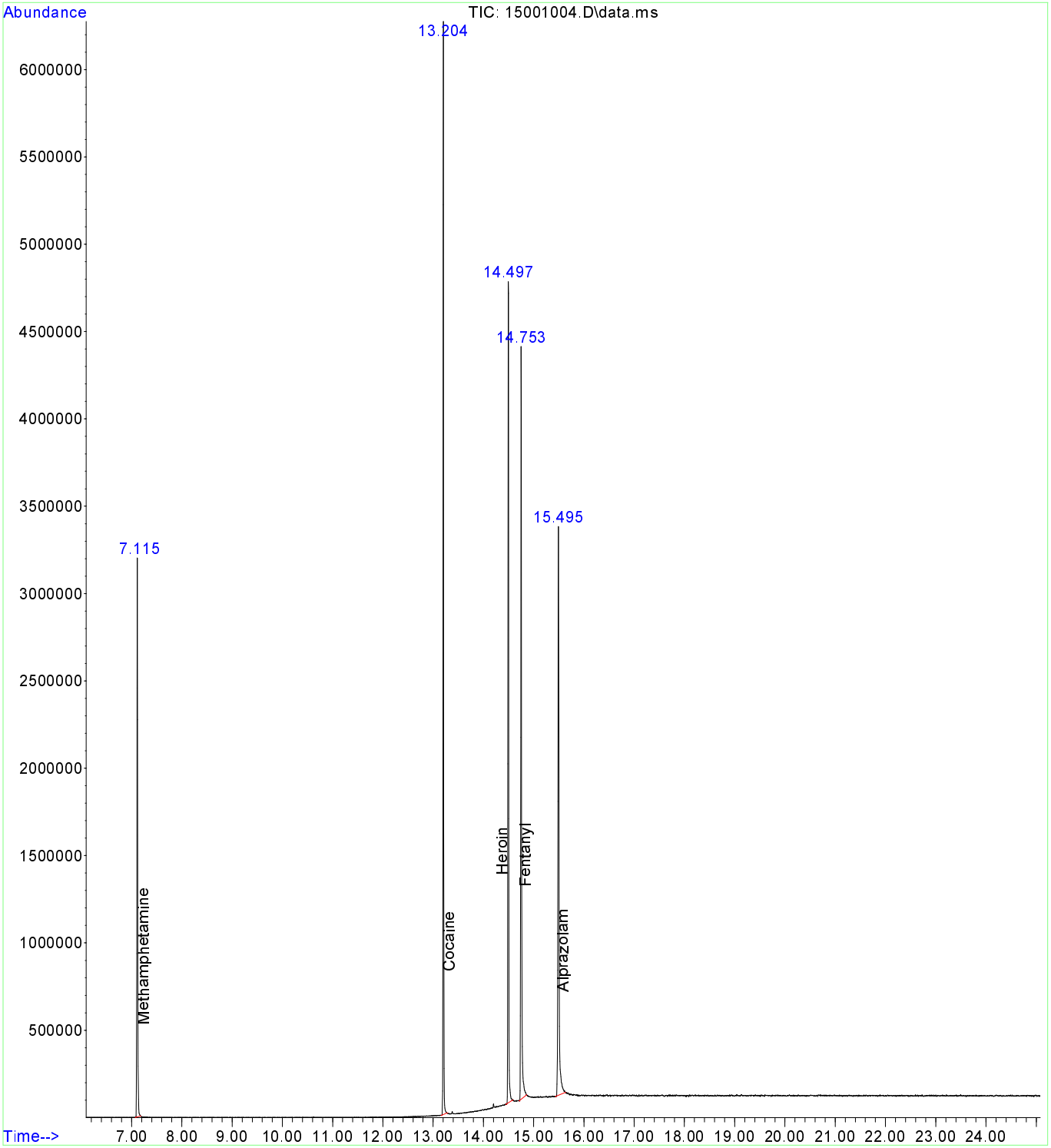
BCCL GC/MS #3
Retention Times for the Week of:

09/15/2025 - 09/21/2025

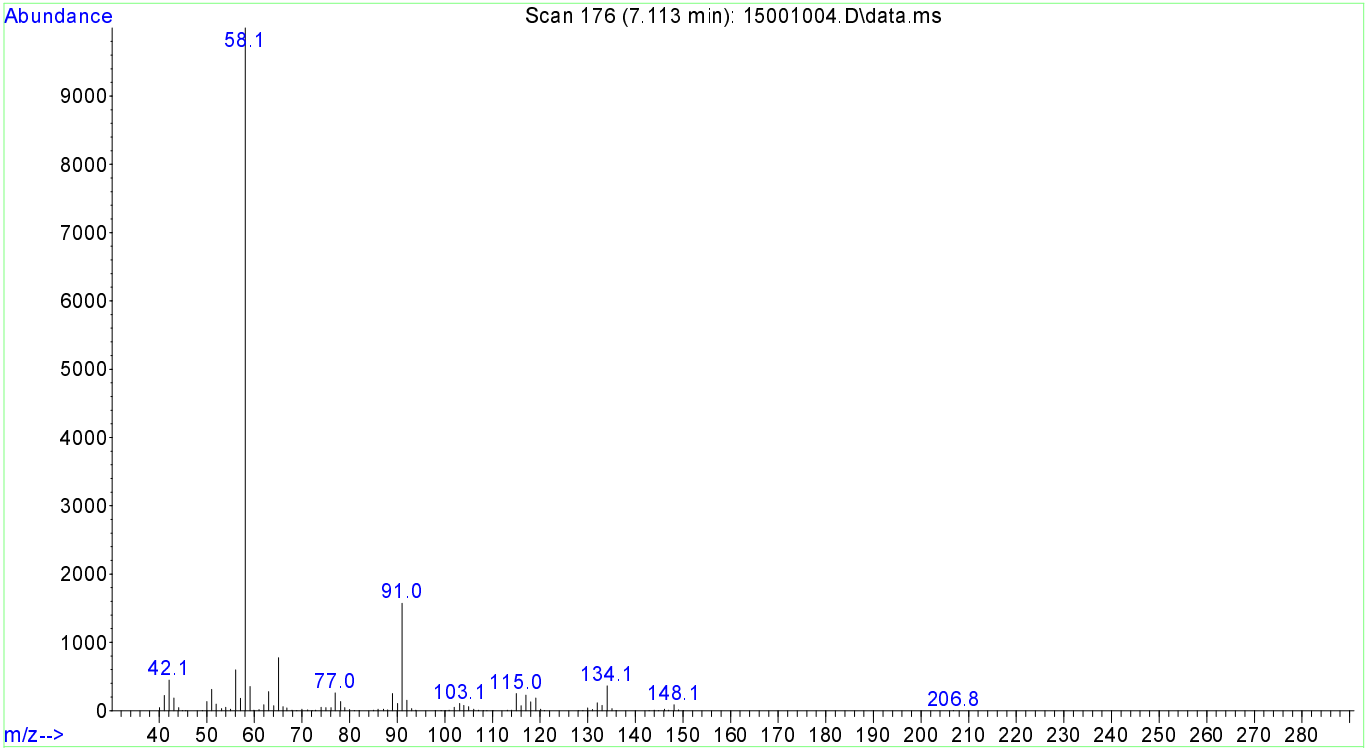
[X] **Tune: DN 09/15/2025 - Autotune**

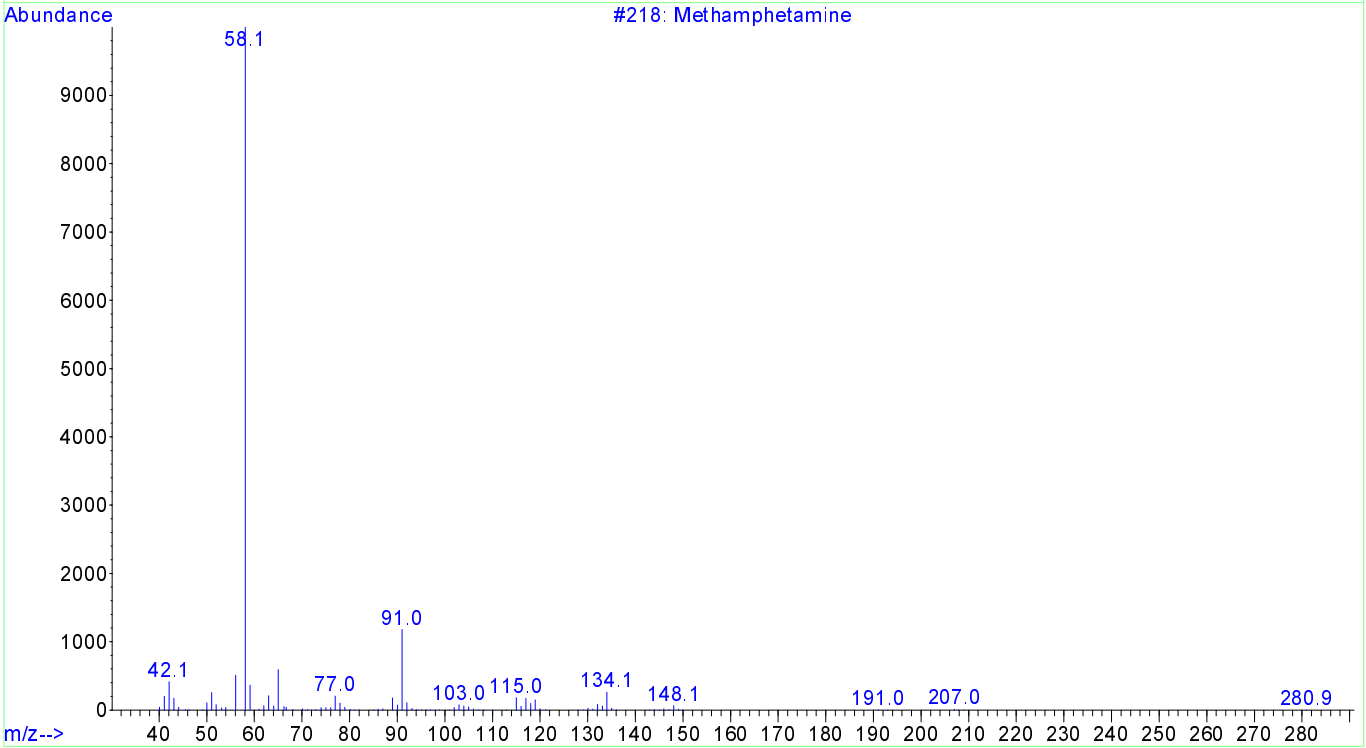
Standard	Standard #	Method	Retention Time	1% Window	
Methamphetamine	R-25-0018	DrugTest35	7.115	7.043	7.186
Cocaine	R-25-0018	DrugTest35	13.204	13.071	13.336
Heroin	R-25-0018	DrugTest35	14.497	14.352	14.641
Fentanyl	R-25-0018	DrugTest35	14.753	14.605	14.900
Alprazolam	R-25-0018	DrugTest35	15.495	15.340	15.649

```
File       :D:\MassHunter\GCMS\1\GCMS 3 data\Standards\Weekly Check\2025
...          Data\091525\15001004.D
Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 15 Sep 2025  10:48     using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-25-0018)                  000002285
Misc Info  :                                                 000002285
```

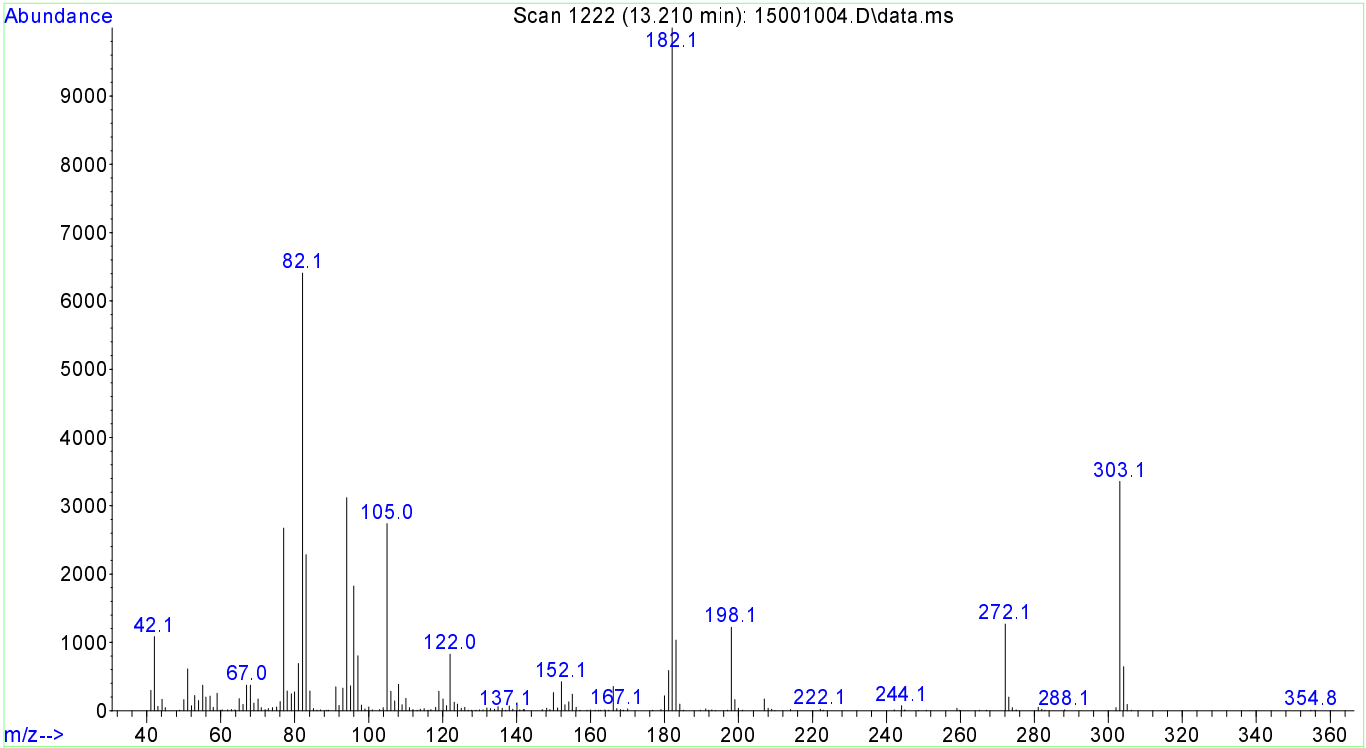


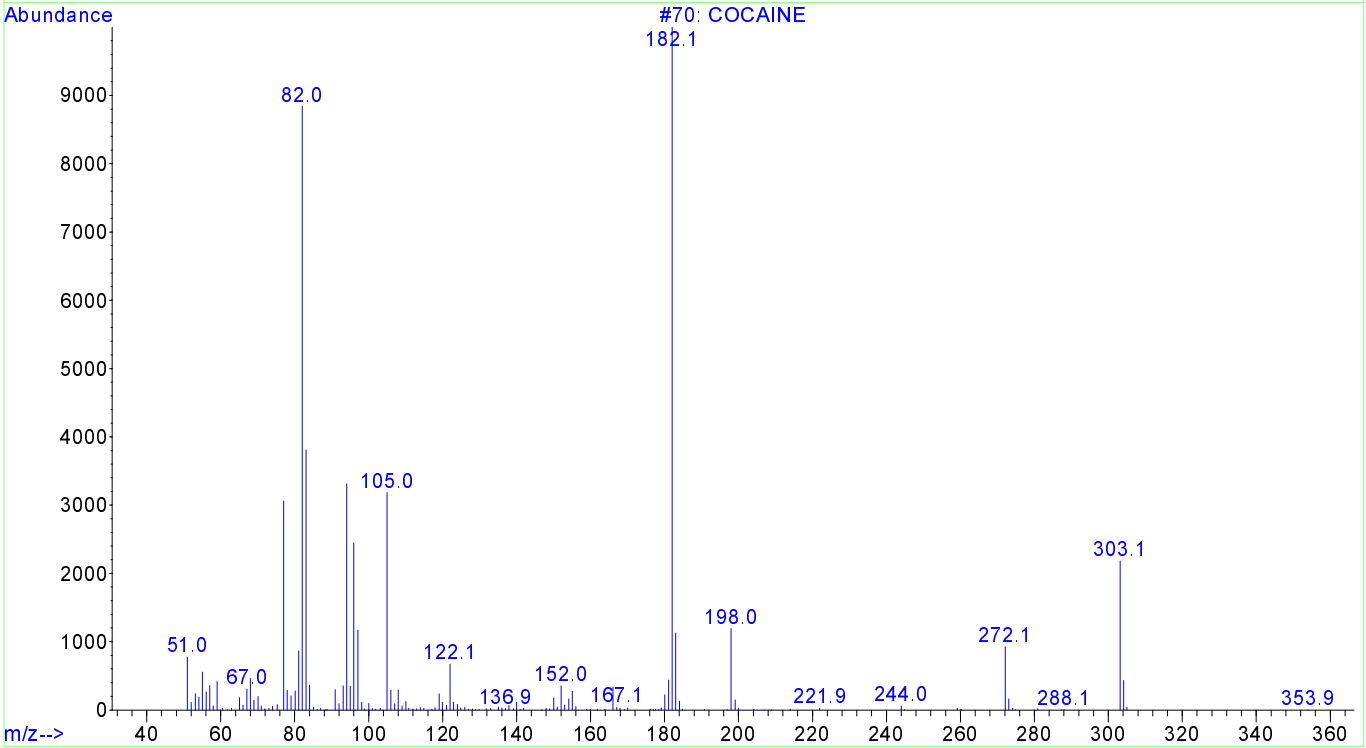
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File       :D:\MassHunter\GCMS\1\GCMS 3 data\Standards\Weekly Check\2025
...          Data\091525\15001004.D
Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 15 Sep 2025  10:48     using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-25-0018)                  000002285
Misc Info  :                                                 000002285
```



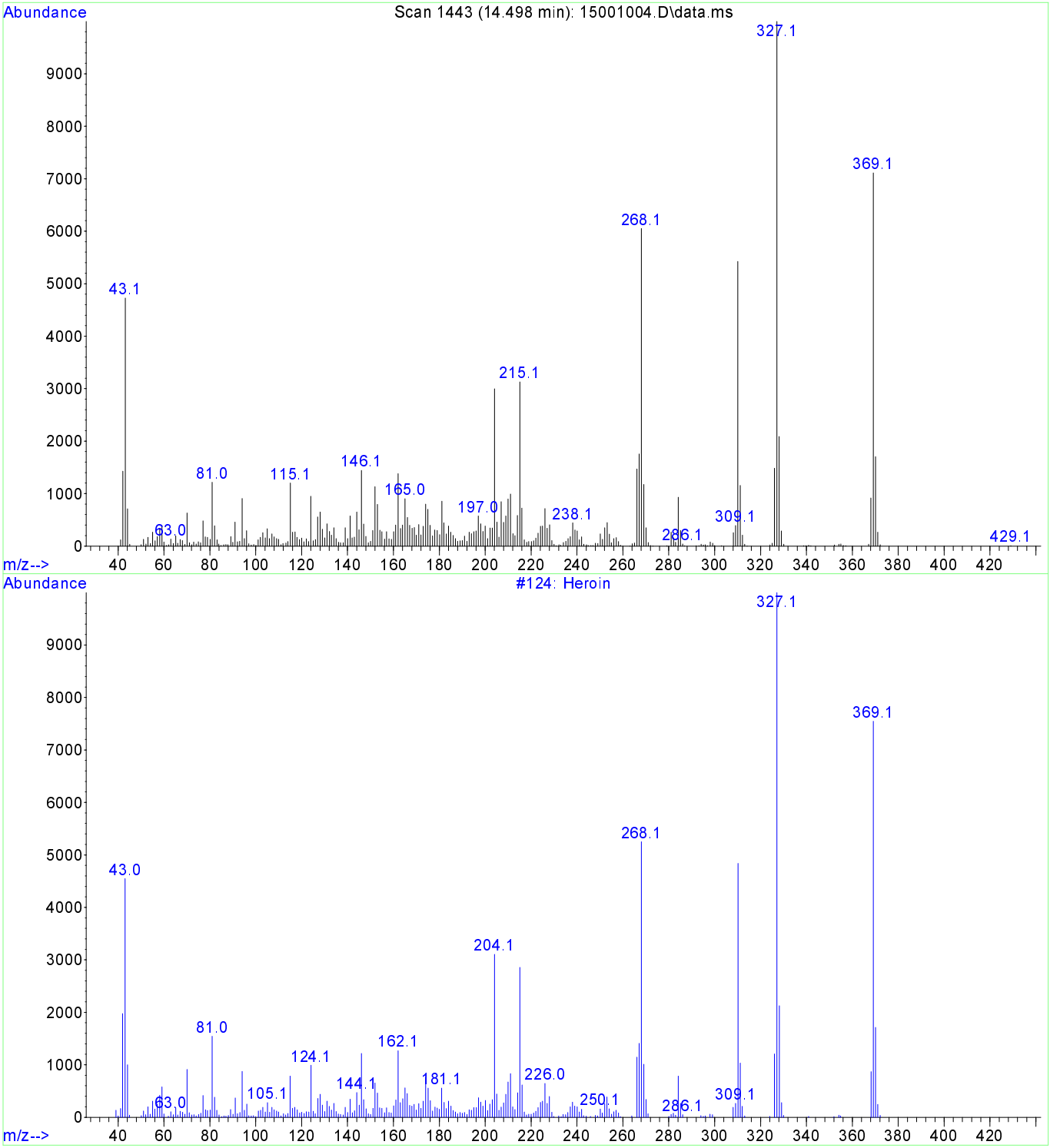


File :D:\MassHunter\GCMS\1\GCMS 3 data\Standards\Weekly Check\2025
... Data\091525\15001004.D
Operator : DrugChem-HP\admin
Instrument : BCCL SD GCMS 3
Acquired : 15 Sep 2025 10:48 using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-25-0018) 000002285
Misc Info : 000002285

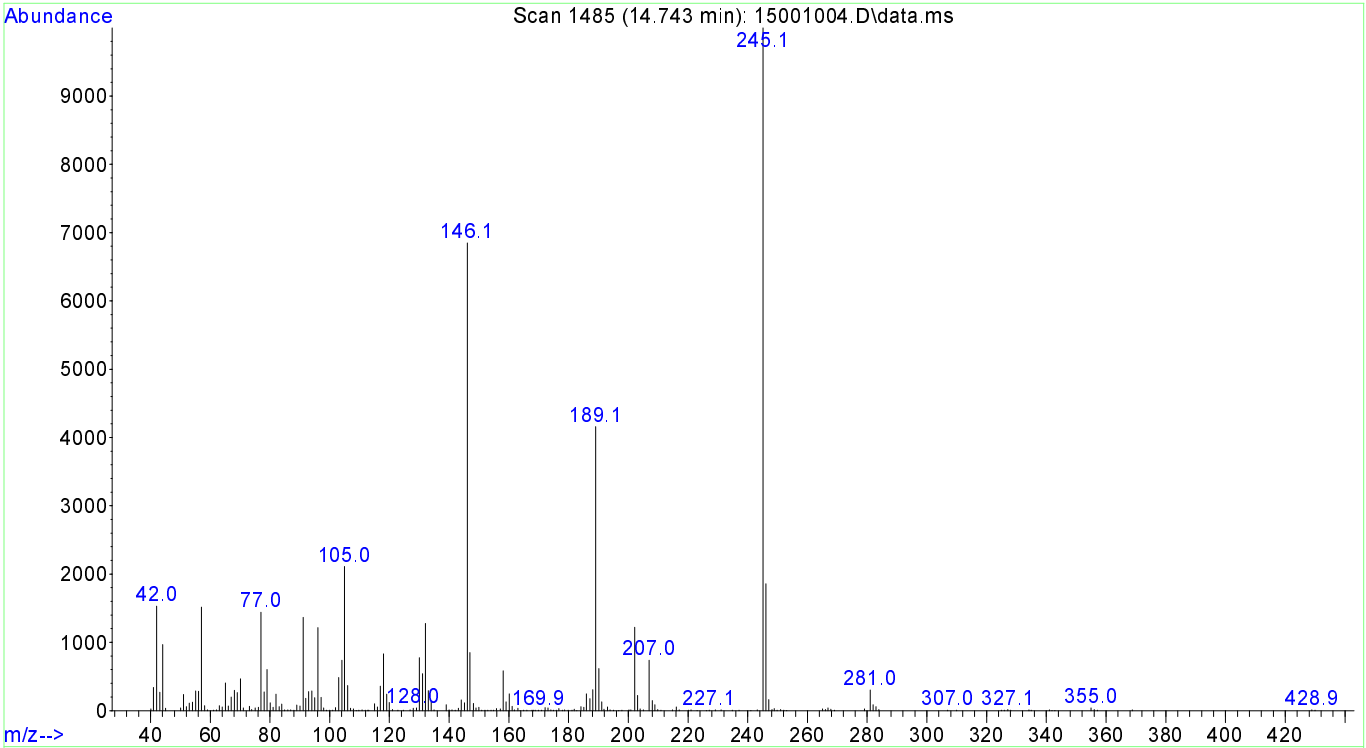




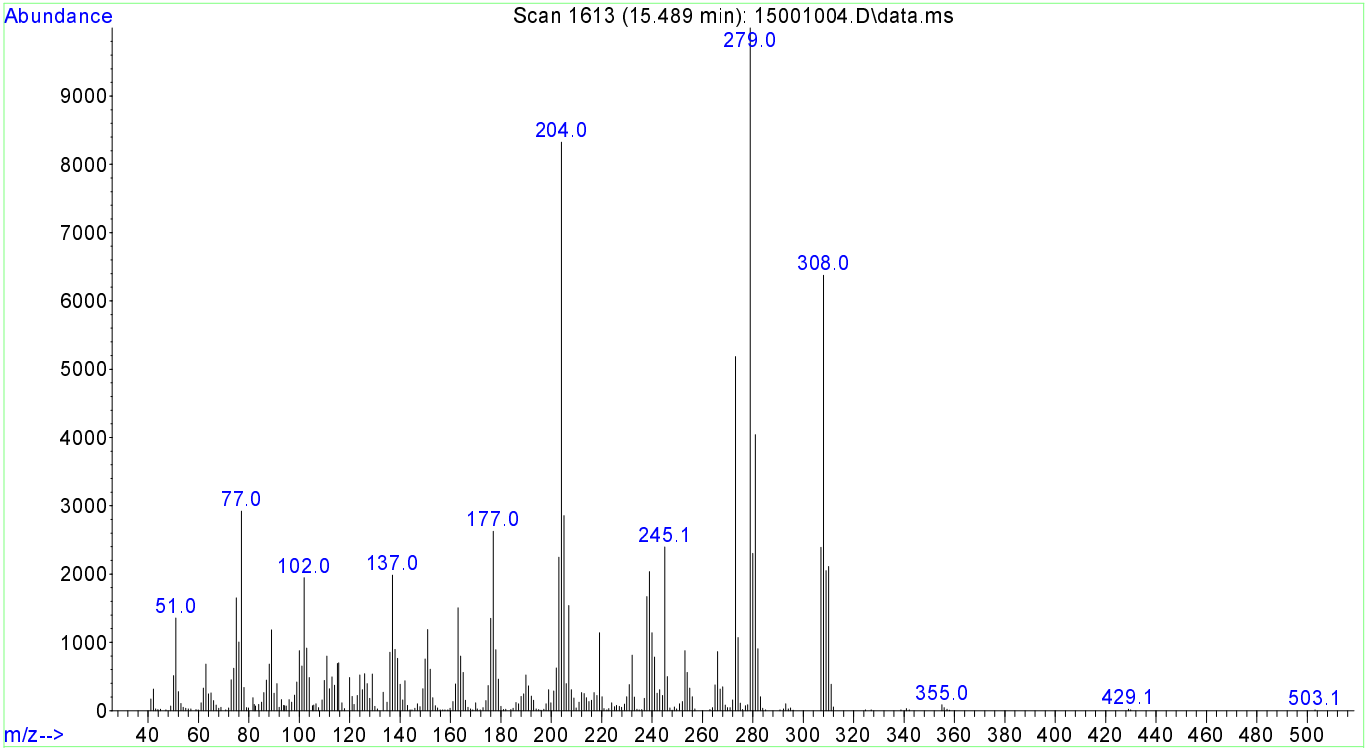
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File       :D:\MassHunter\GCMS\1\GCMS 3 data\Standards\Weekly Check\2025
...          Data\091525\15001004.D
Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 15 Sep 2025  10:48     using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-25-0018)                  000002285
Misc Info  :                                                 000002285
```

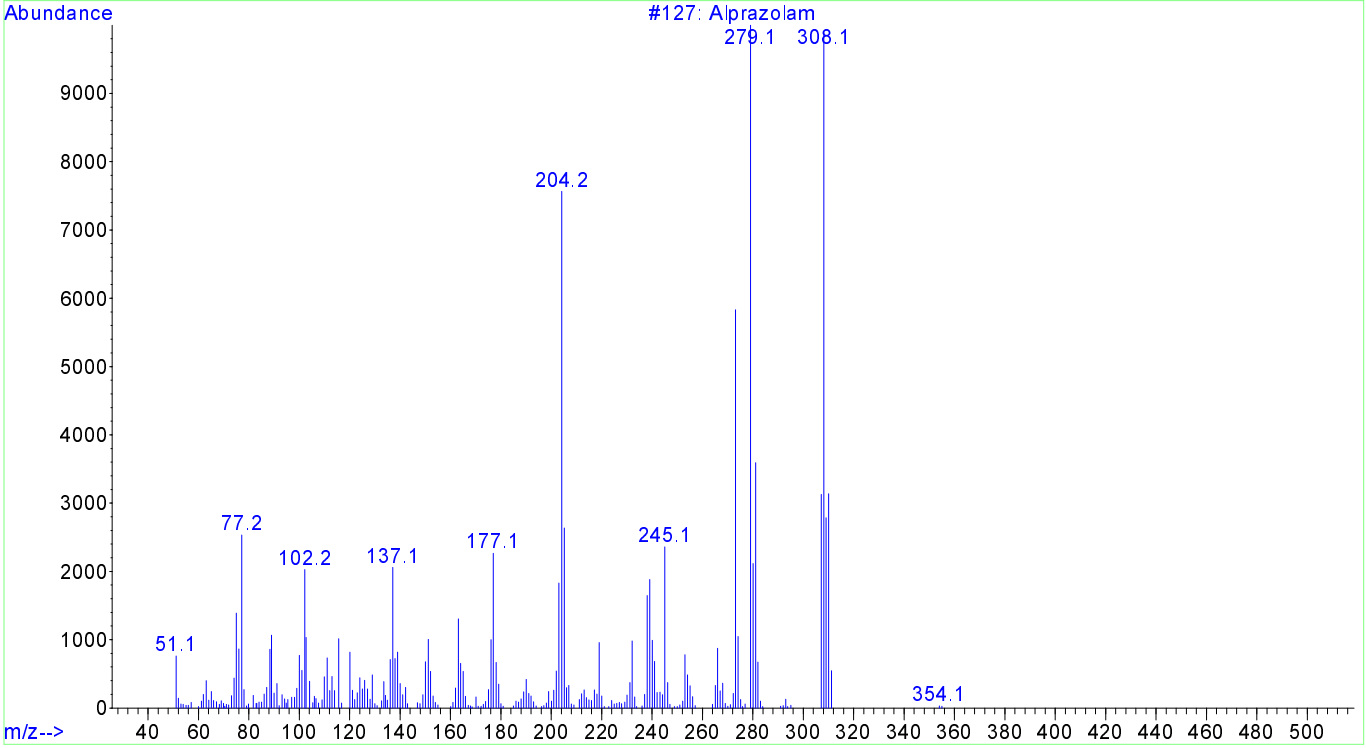


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File       :D:\MassHunter\GCMS\1\GCMS 3 data\Standards\Weekly Check\2025
...          Data\091525\15001004.D
Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 15 Sep 2025  10:48     using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-25-0018)                  000002285
Misc Info  :                                                 000002285
```

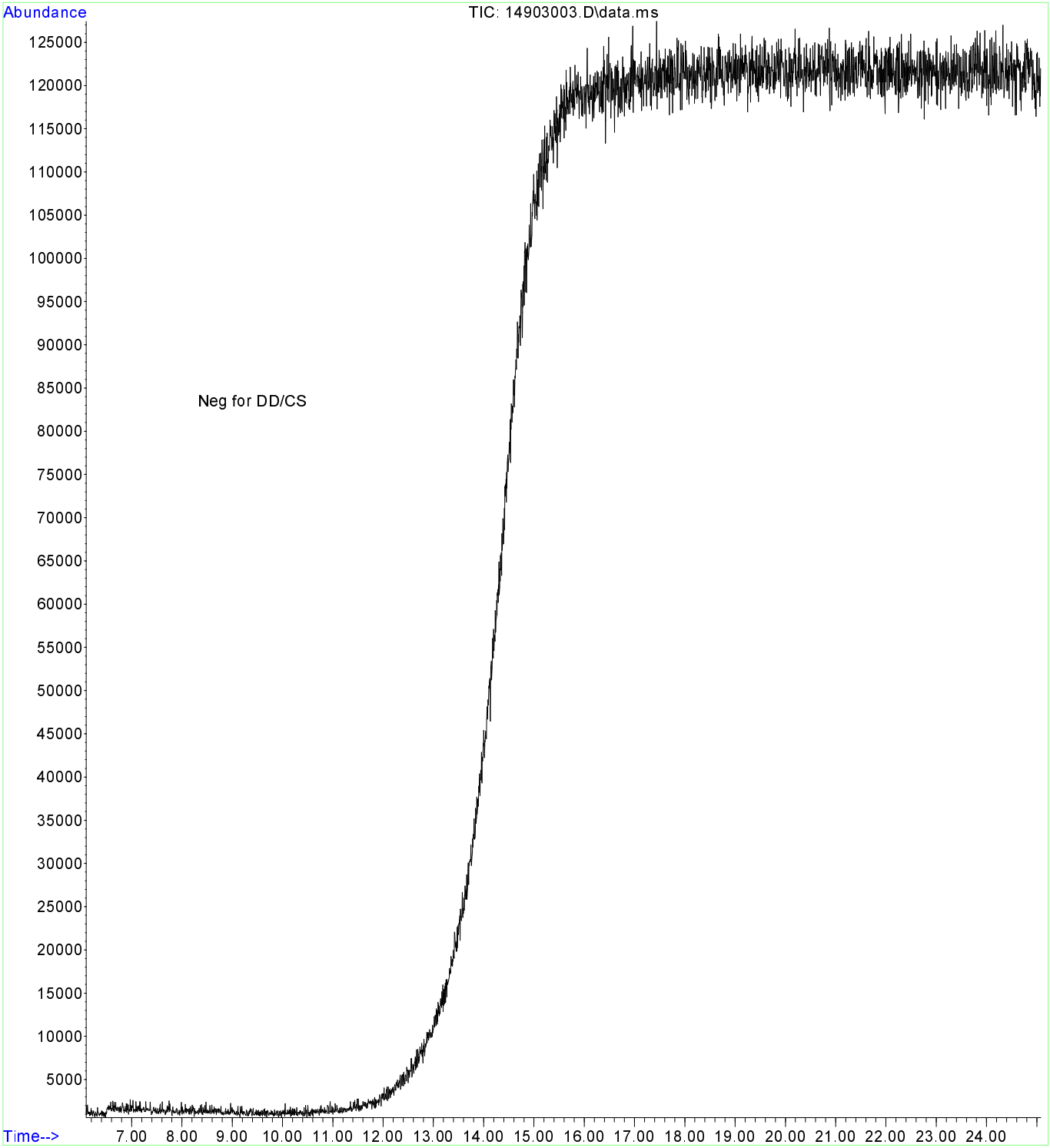


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File       :D:\MassHunter\GCMS\1\GCMS 3 data\Standards\Weekly Check\2025
...          Data\091525\15001004.D
Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 15 Sep 2025  10:48     using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-25-0018)                  000002285
Misc Info  :                                                 000002285
```

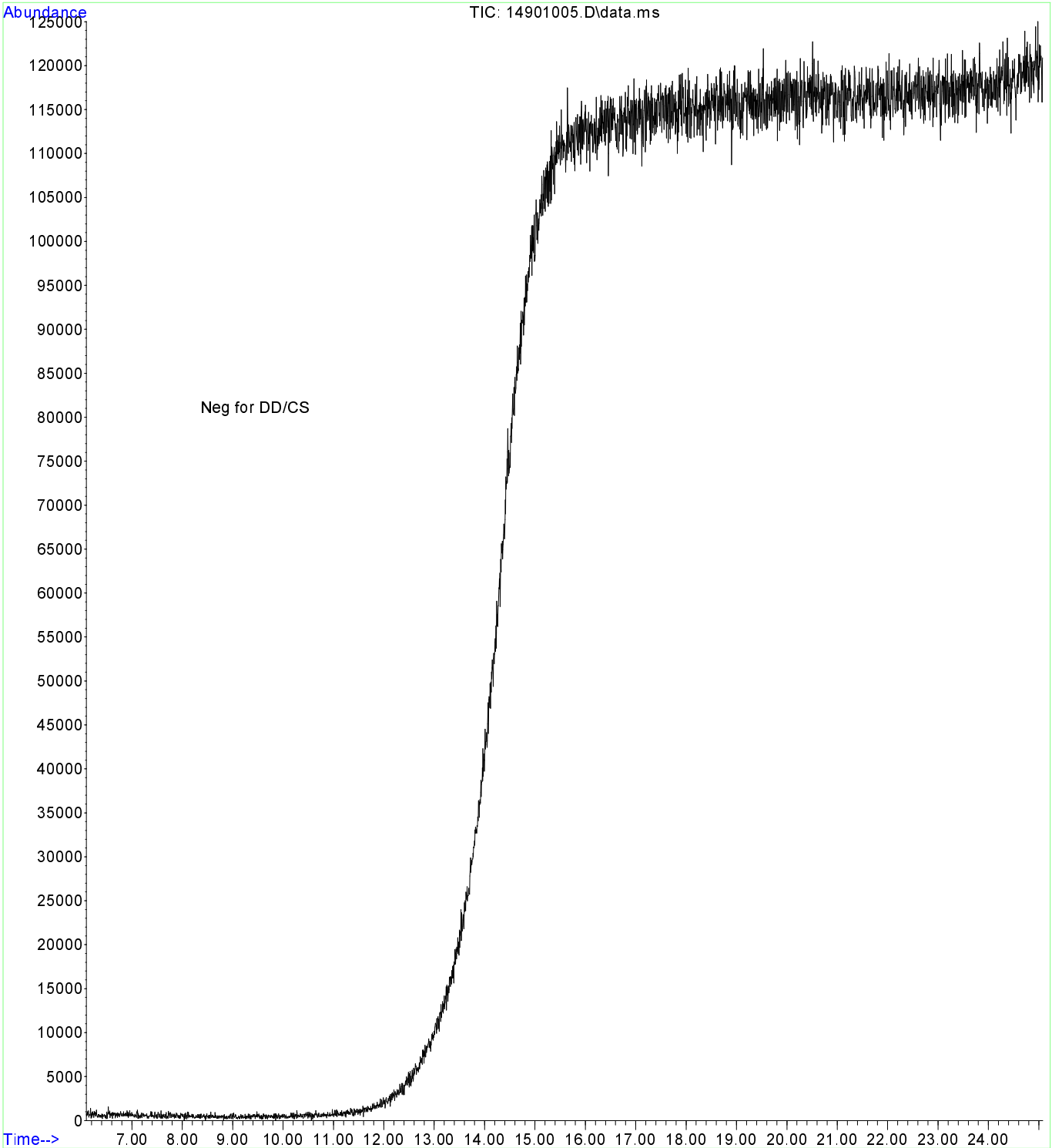




```
File       :D:\MassHunter\GCMS\1\GCMS 3 data\Standards\Weekly Check\2025
...          Data\091525\14903003.D
Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 15 Sep 2025  10:20     using AcqMethod DrugTest35.M
Sample Name: BLANK (C-20-0051A) PRIOR TO CAYMAN GC/MS MIX 3 (R-25-0018)  000002078
Misc Info  :                                                  000002078
```



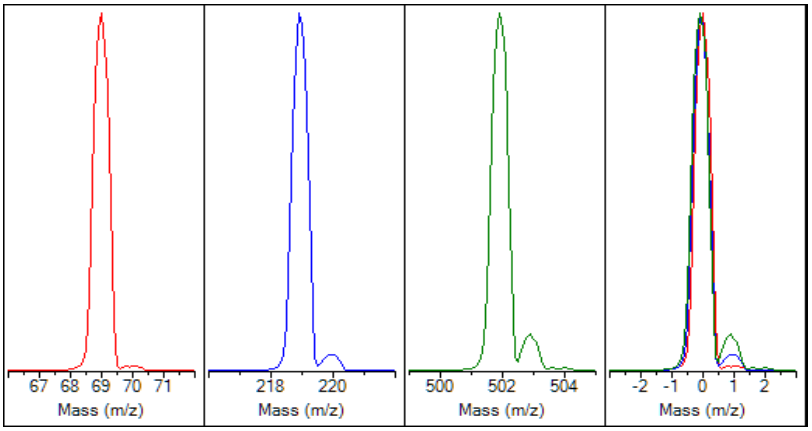
File :D:\MassHunter\GCMS\1\GCMS 3 data\Standards\Weekly Check\2025
... Data\091525\14901005.D
Operator : DrugChem-HP\admin
Instrument : BCCL SD GCMS 3
Acquired : 15 Sep 2025 11:17 using AcqMethod DrugTest35.M
Sample Name: BLANK (C-20-0051A) - INSTRUMENT READY 000002078
Misc Info : 000002078



Autotune - 5977

9/22/2025 7:45:50 AM (UTC-5:00) BCCL SD GCMS 3

D:\MASSHUNTER\GCMS\1\5977\atune.u US1329M205



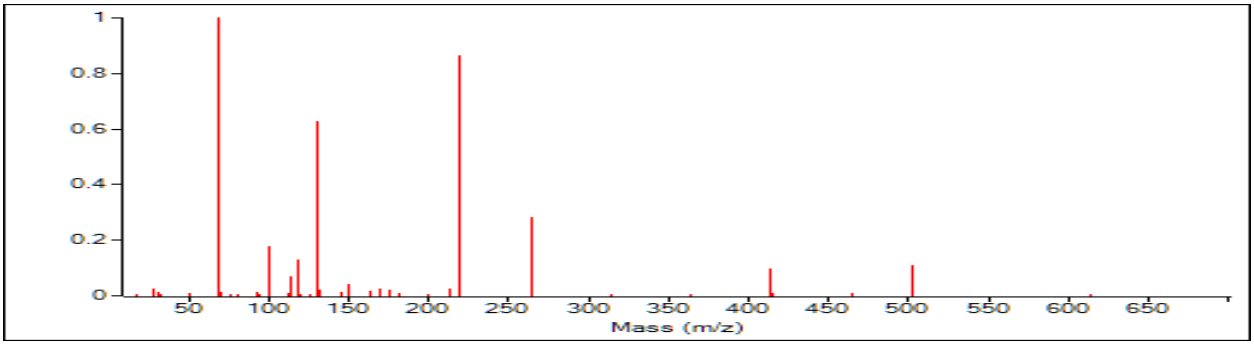
Ion Polarity	Pos	Mass Gain	-367
Emission	34.6	Mass Offset	-34
Electron Energy	70.0	Amu Gain	1673
Filament	2	Amu Offset	120.13
Repeller	30.32	Width219	-0.020
Ion Focus	90.3	DC Polarity	Pos
Entrance Lens	15.1	HED Enable	On
Ent Lens Offset	12.53	EM Volts	1970.5
Ion Body	0.00	Extractor Lens	0.00
		Scan Speed	3
		Averages	3
PFTBA	Open	Step Size	0.10

Temperatures and Pressures

MS Source	230	Turbo Speed	100.0
MS Quad	150	Hi Vac	8.81e-06

Mass	Abund	Rel Abund	Pw50
69.00	441,281	100.0%	0.60
218.90	383,293	86.9%	0.60
501.90	47,440	10.8%	0.61

Low	High	Step	Speed	Threshold	Peaks	Base	Abundance	Total Ion
10.00	701.00	0.10	3	100	100	69.00	417,600	1,571,705



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	417,600	100.00	70.00	5,009	1.20
218.90	361,280	86.51	219.90	15,716	4.35
501.90	45,872	10.98	502.90	4,601	10.03

Air/Water Check: H20 ~0.4% N2 ~2.3% O2 ~0.3% CO2 ~0.0% N2/H20 ~516.9%

Column(1) Flow: 0.80 Column(2): 0.00 ml/min Interface Temp: 280

Ramp Criteria:

Ion Focus maximum 90 volts using ion 502; Electron Multiplier Gain 156862.312

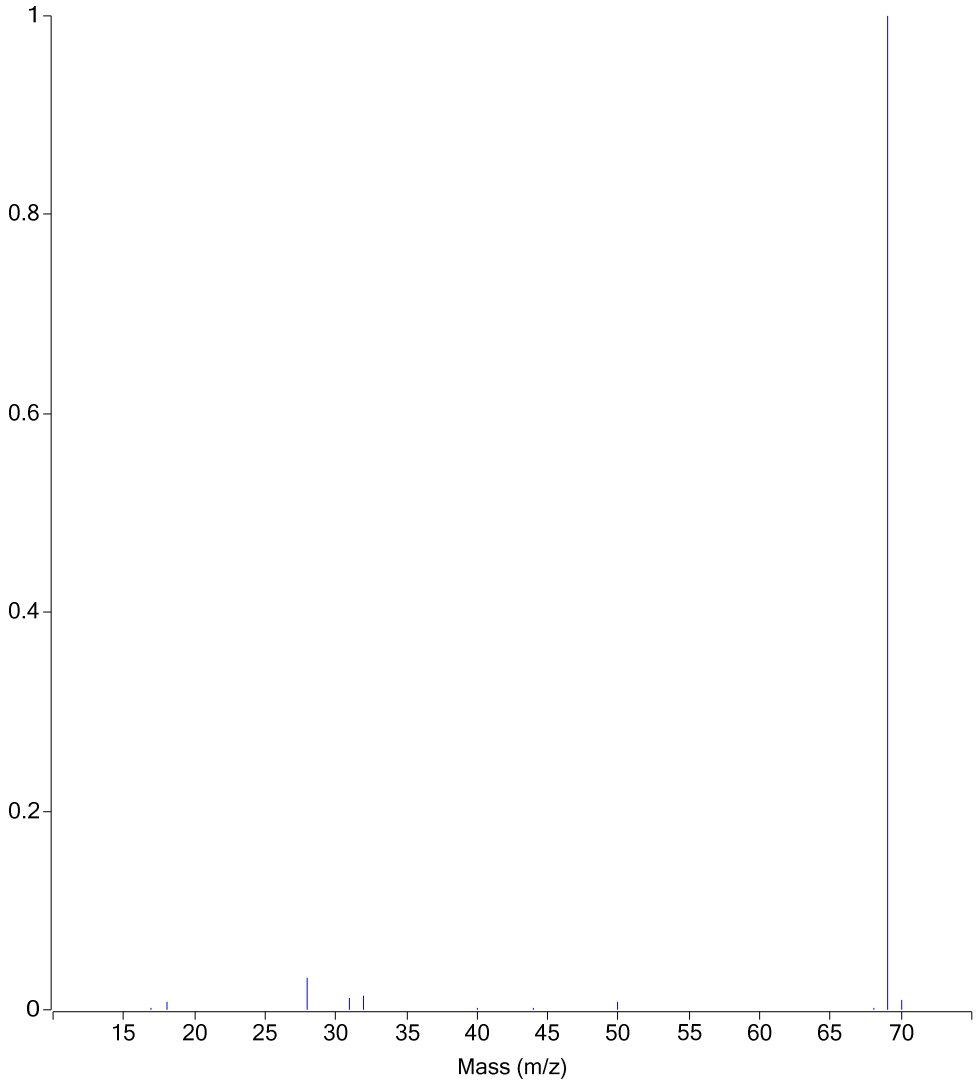
Repeller maximum 35 volts using ion 219; Gain Factor 1.5686

Mass Gain Values(Scan Speed): -376(3) -366(2) -391(1) -360(0) -307(FS1) -402(FS2)

TARGET MASS:	50	69	131	219	414	502	1050
Amu Offset	120.1	120.1	120.1	120.1	120.1	120.1	120.1
Entrance Lens Offset	12.5	12.5	12.5	12.5	12.5	12.5	12.5

597x Air and Water Check

Instrument: BCCL SD GCMS 3
Mon Sep 22 07:38:59 2025 D:\MassHunter\GCMS\1\5977\



Current Params used: atune.u

Relative abundances:

18/69 =	0.76	Water%	(counts=8598)
28/69 =	3.17	Nitrogen%	(counts=35696)
32/69 =	1.32	Oxygen%	(counts=14857)
44/69 =	0.19	Carbon Dioxide%	(counts=2170)
28/18 =	415.17	Nitrogen/Water%	

Instrument Name	: BCCL SD GCMS 3	
DC Polarity	: Positive	
Filament	2	
BasePeak should be 69 or 219		OK
Position of mass 69	69.00	OK
Position of mass 219	218.90	OK
Position of mass 502	501.90	OK
Position of isotope mass 70	70.00	OK
Position of isotope mass 220	219.90	OK
Position of isotope mass 503	502.99	OK
Ratio of mass 70 to mass 69(0.5 - 1.6%)	1.10	OK
Ratio of mass 220 to mass 219(3.2 - 5.4%)	4.24	OK
Ratio of mass 503 to mass 502(7.9 - 12.3%)	8.74	OK
Ratio of 219 to 69 should be > 40% and is	86.81	OK
Ratio of 502 to 69 should be > 2.4% and is	11.07	OK
Mass 69 Precursor (<= 3%)	0.22	OK
Mass 219 Precursor (<= 6%)	0.77	OK
Mass 502 Precursor (<= 12%)	0.82	OK

597x Air and Water Check

Mon Sep 22 07:51:13 2025	Instrument: BCCL SD GCMS 3
D:\MASSHUNTER\GCMS\1\5977\atune.u	US1329M205

Testing for a leak in the system

Ratio of 18 to 69 (<20%)	0.39	OK
Ratio of 28 to 69 (<10%)	2.10	OK
Electron Multiplier Voltage	1971	OK

Tune portion of System Verification passed.

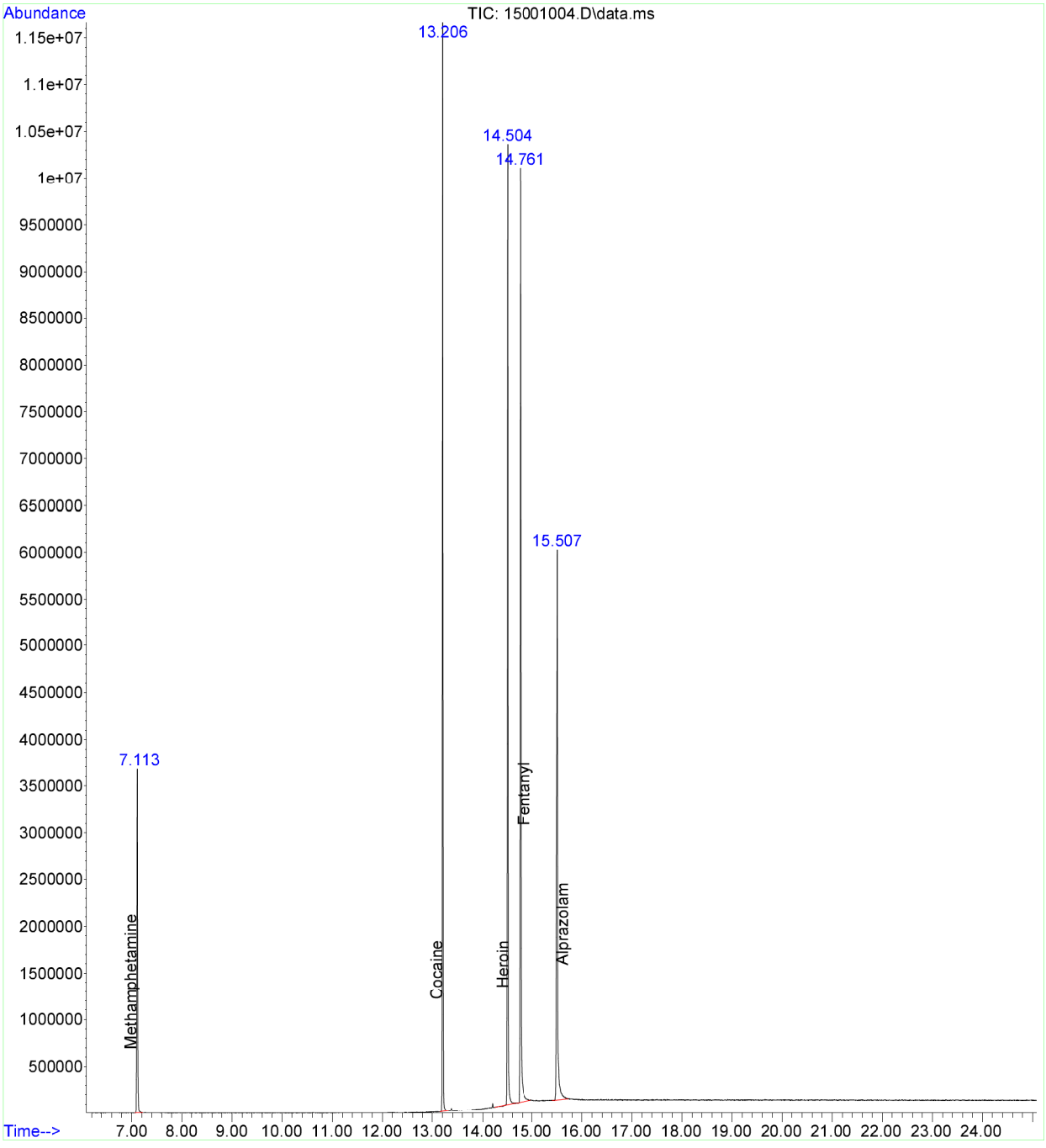
BCCL GC/MS #3
Retention Times for the Week of:

09/22/2025 - 09/28/2025

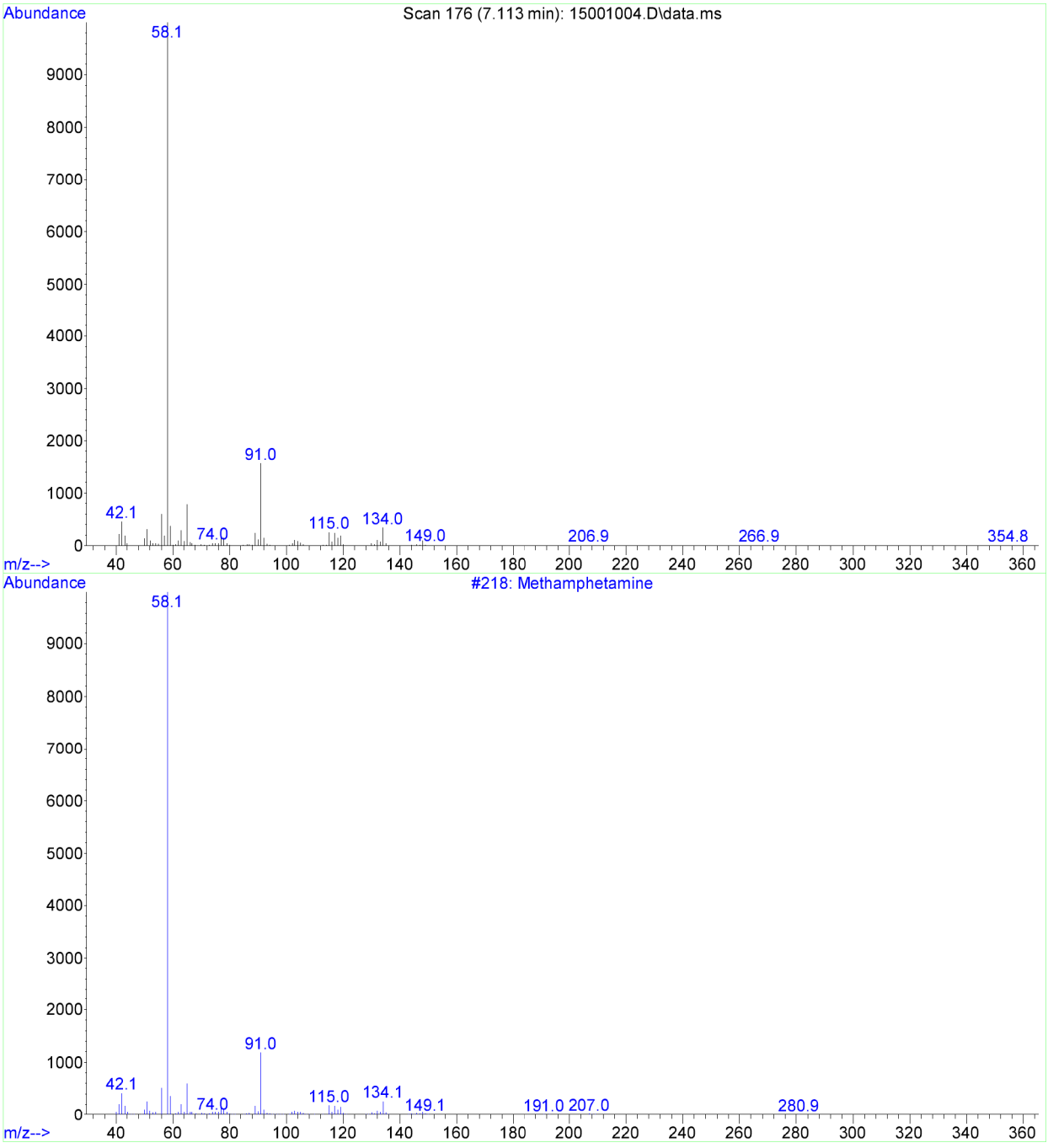
[X] **Tune: KB 09/22/2025 - Autotune**

Standard	Standard #	Method	Retention Time	1% Window	
Methamphetamine	R-25-0018	DrugTest35	7.113	7.041	7.184
Cocaine	R-25-0018	DrugTest35	13.206	13.073	13.338
Heroin	R-25-0018	DrugTest35	14.504	14.358	14.649
Fentanyl	R-25-0018	DrugTest35	14.761	14.613	14.908
Alprazolam	R-25-0018	DrugTest35	15.507	15.351	15.662
3,4-MDMA	R-25-0013	DrugTest35	10.289	10.186	10.391

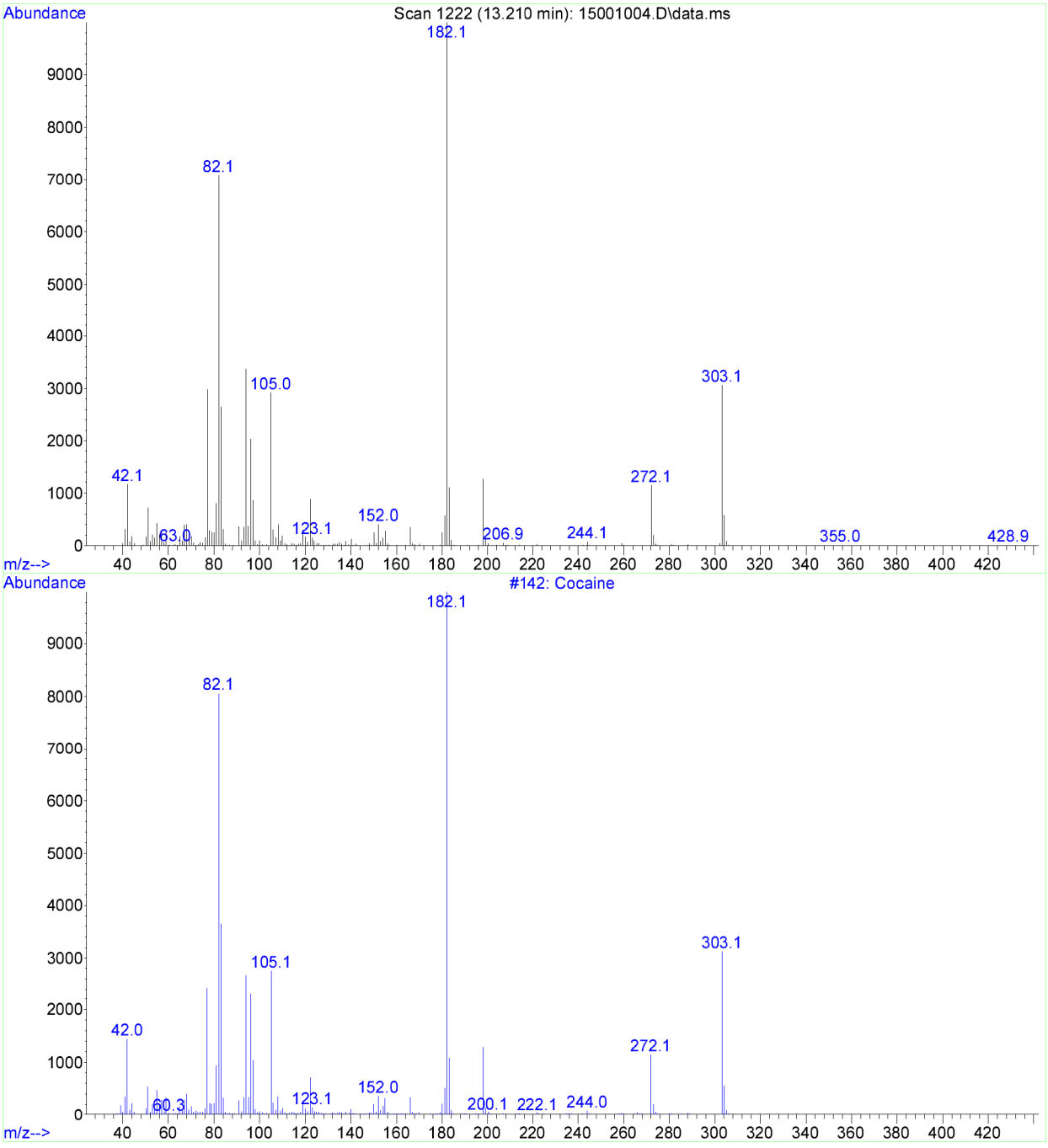
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...          Data\092225\15001004.D
Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 22 Sep 2025  08:51     using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-25-0018)                 000002285
Misc Info  :                                                000002285
```



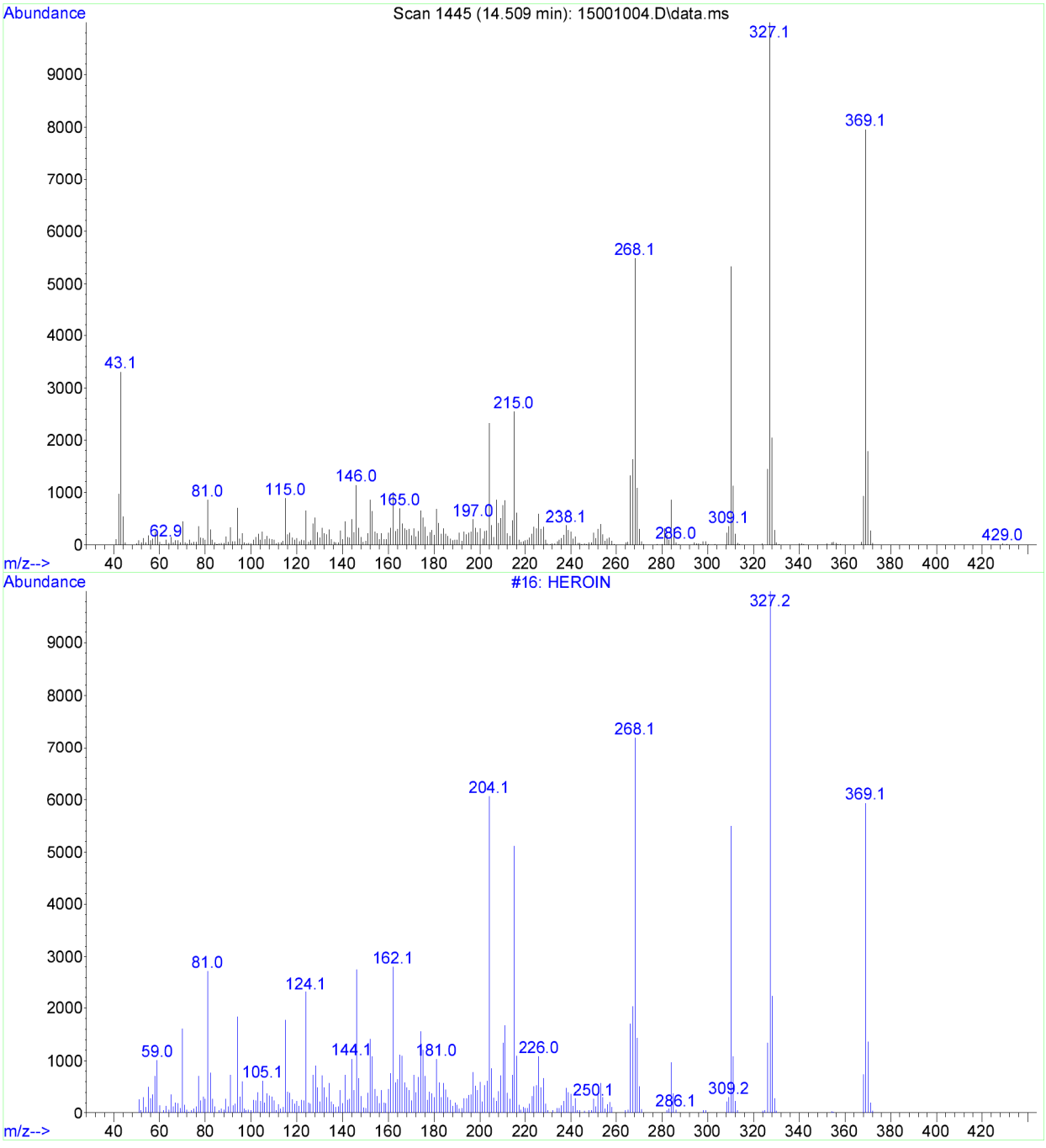
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Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 22 Sep 2025  08:51     using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-25-0018)                 000002285
Misc Info  :                                                000002285
```



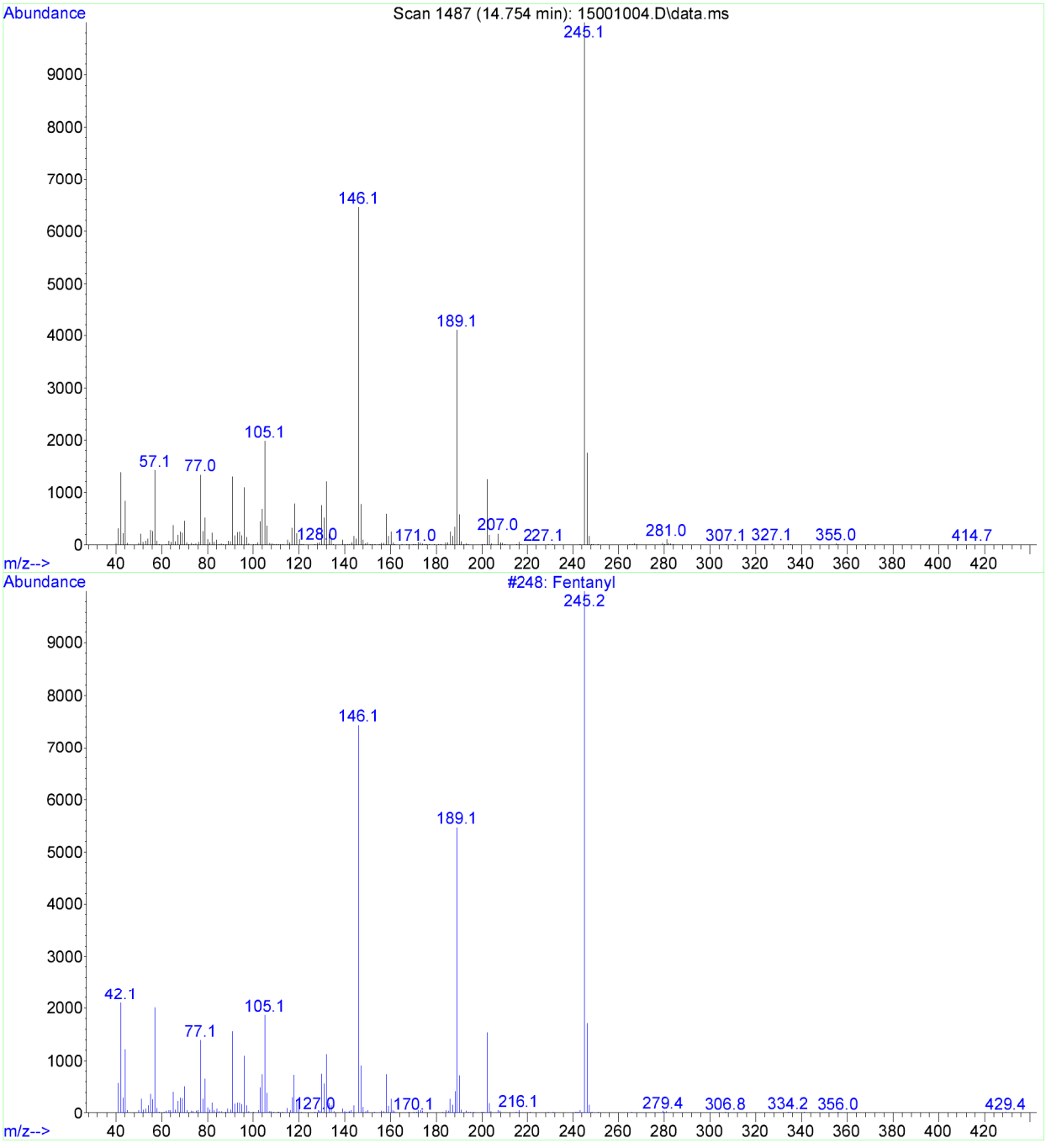
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File       :D:\MassHunter\GCMS\1\GCMS 3 data\Standards\Weekly Check\2025
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Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 22 Sep 2025  08:51     using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-25-0018)                  000002285
Misc Info  :                                                 000002285
```



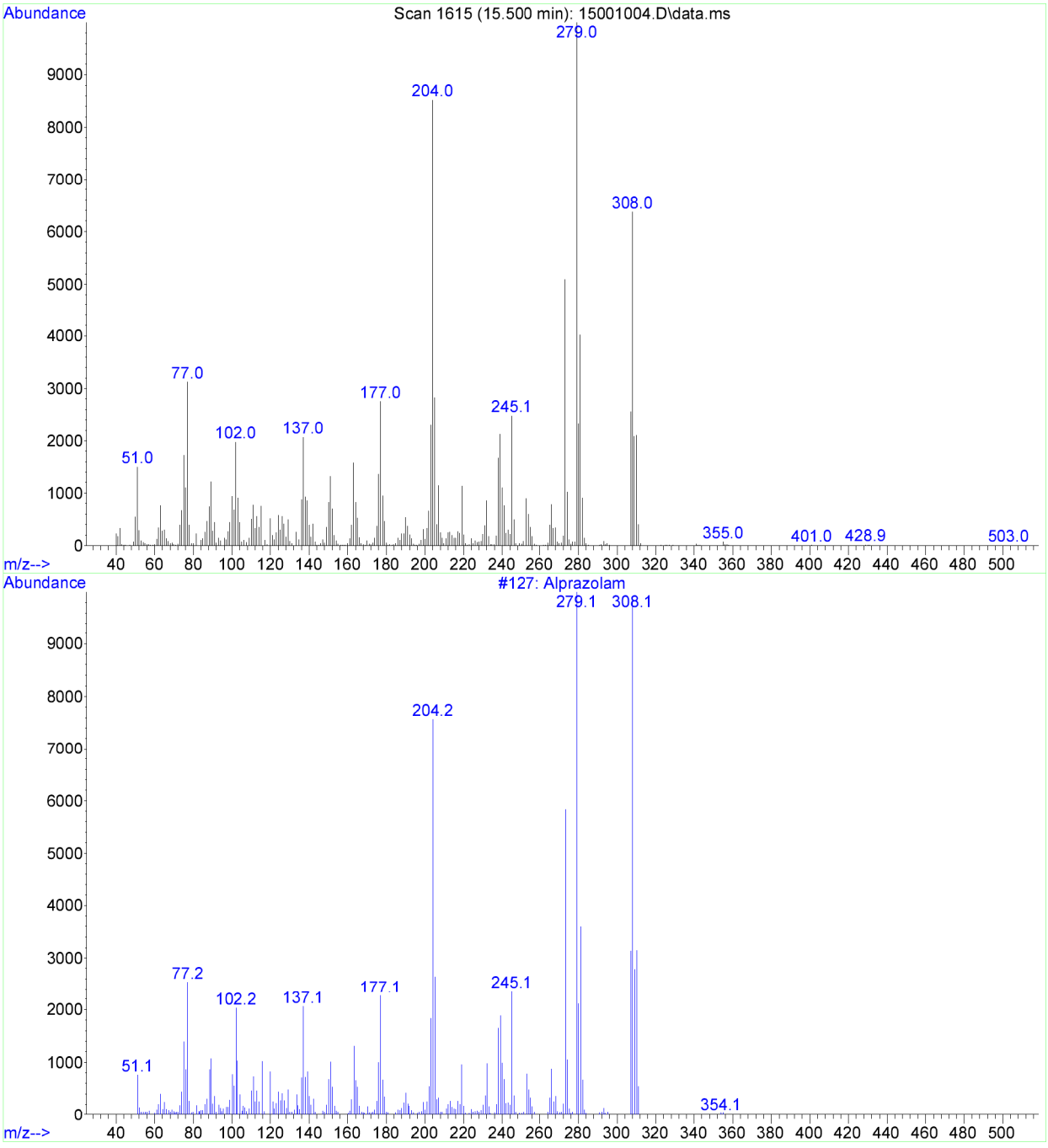
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Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 22 Sep 2025  08:51     using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-25-0018)                 000002285
Misc Info  :                                                000002285
```



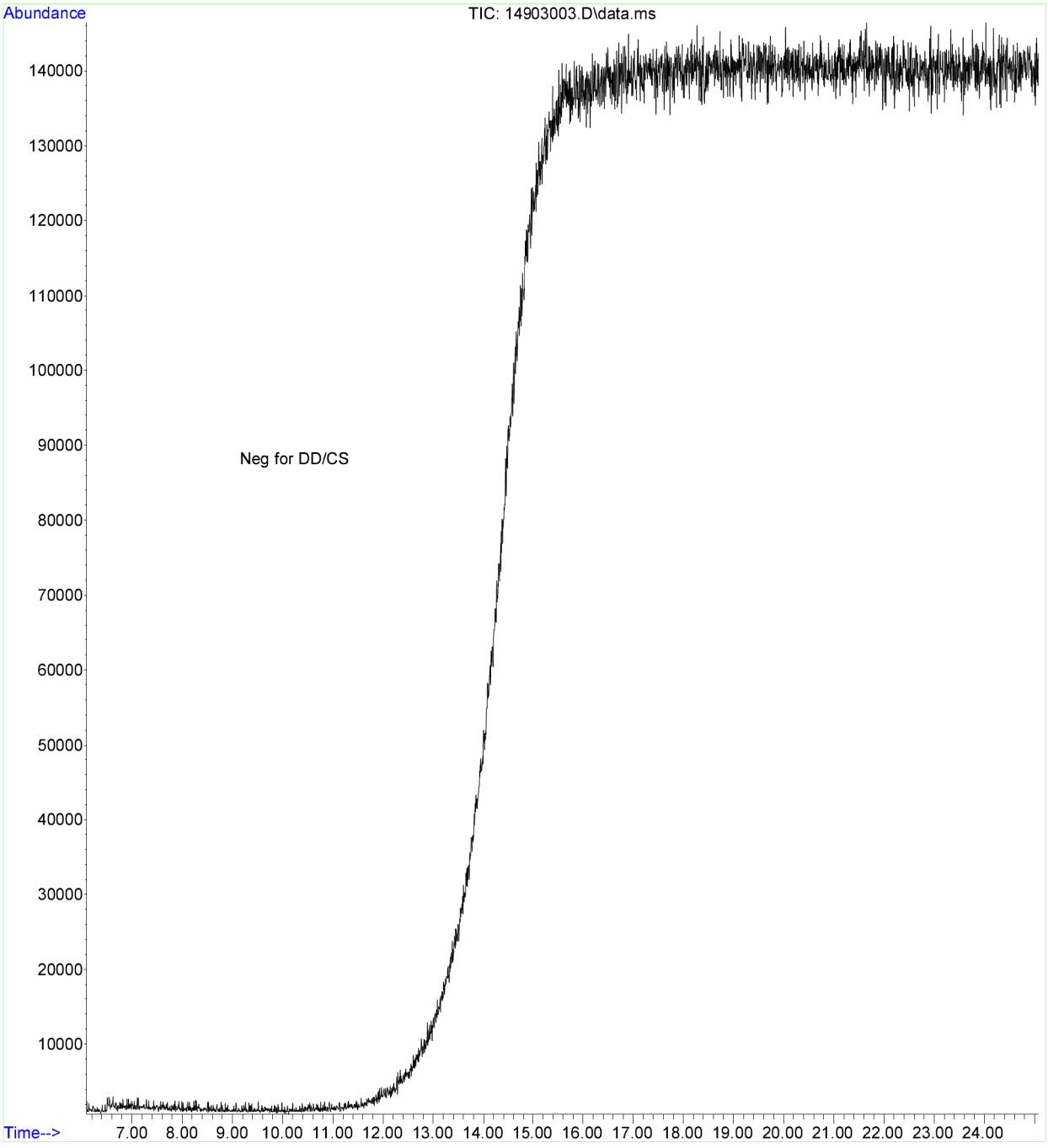
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Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 22 Sep 2025  08:51     using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-25-0018)                 000002285
Misc Info  :                                                000002285
```



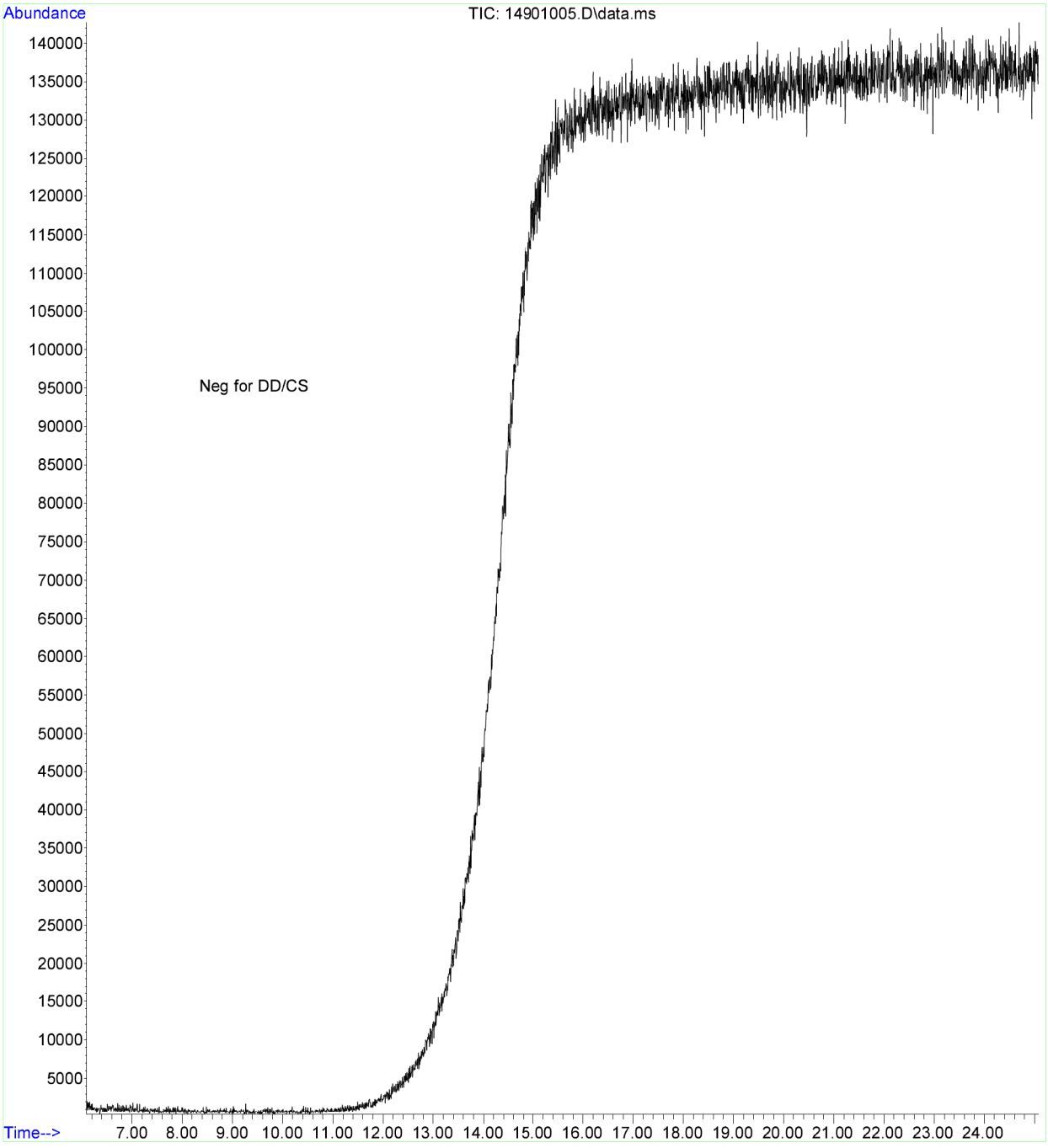
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Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 22 Sep 2025  08:51     using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-25-0018)                  000002285
Misc Info  :                                                 000002285
```



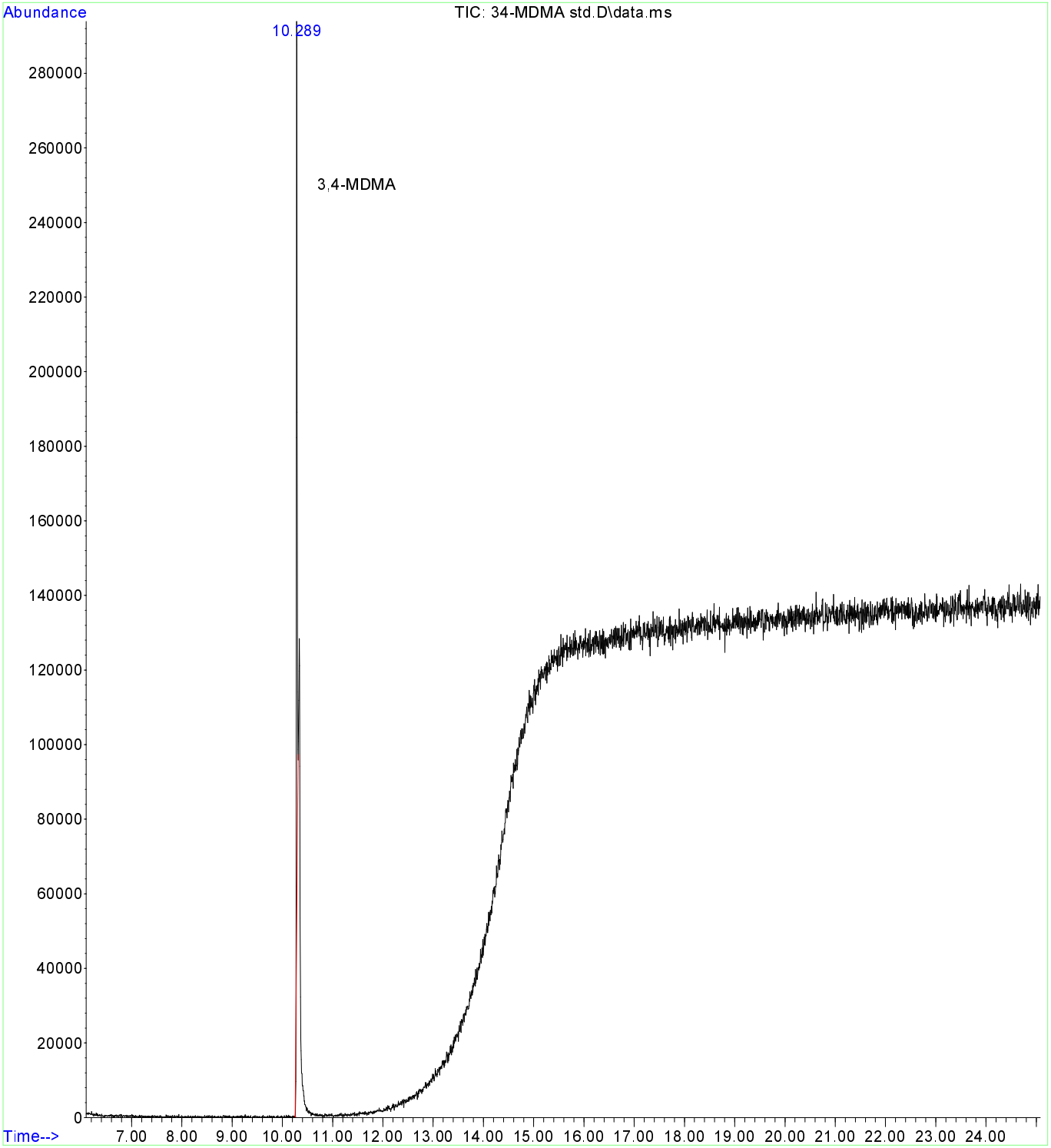
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Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 22 Sep 2025  08:22     using AcqMethod DrugTest35.M
Sample Name: BLANK (C-20-0051A) PRIOR TO CAYMAN GC/MS MIX 3 (R-25-0018)  000002078
Misc Info  :                                                  000002078
```



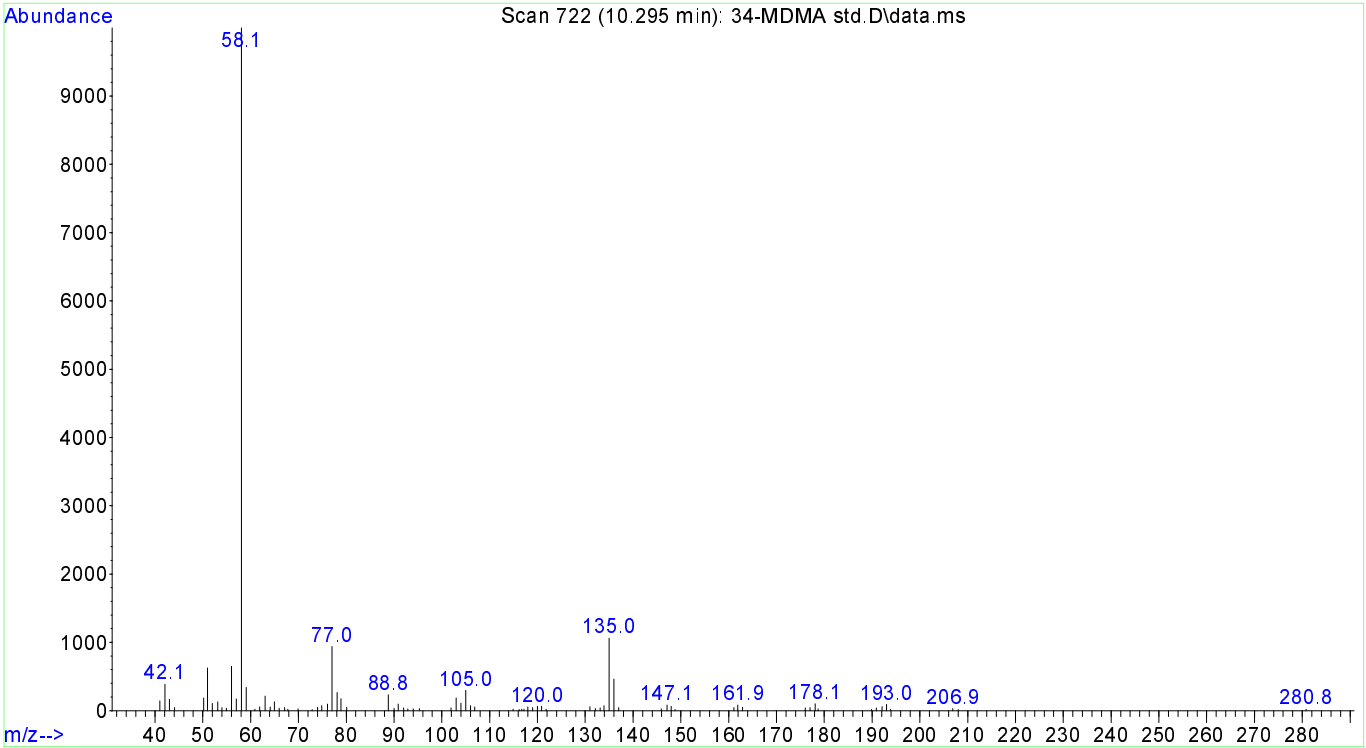
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Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 22 Sep 2025  09:20     using AcqMethod DrugTest35.M
Sample Name: BLANK (C-20-0051A) - INSTRUMENT READY          000002078
Misc Info  :                                                000002078
```

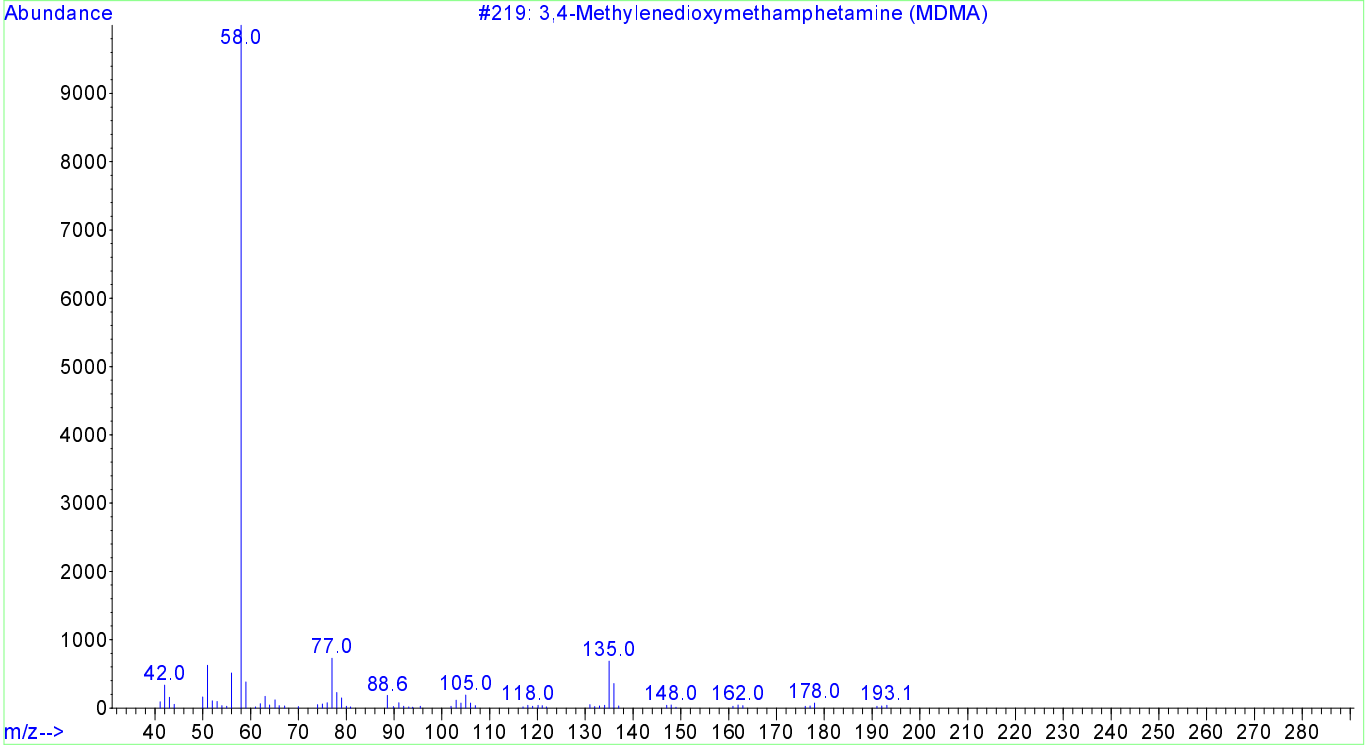


```
File       :D:\MassHunter\GCMS\1\GCMS 3 data\2025 Data\092425\34-MDMA st
...         d.D
Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 25 Sep 2025  10:11     using AcqMethod DrugTest35.M
Sample Name: 3,4-MDMA std (R-25-0013)                          000002466
Misc Info  : RT determination                                  000002466
```

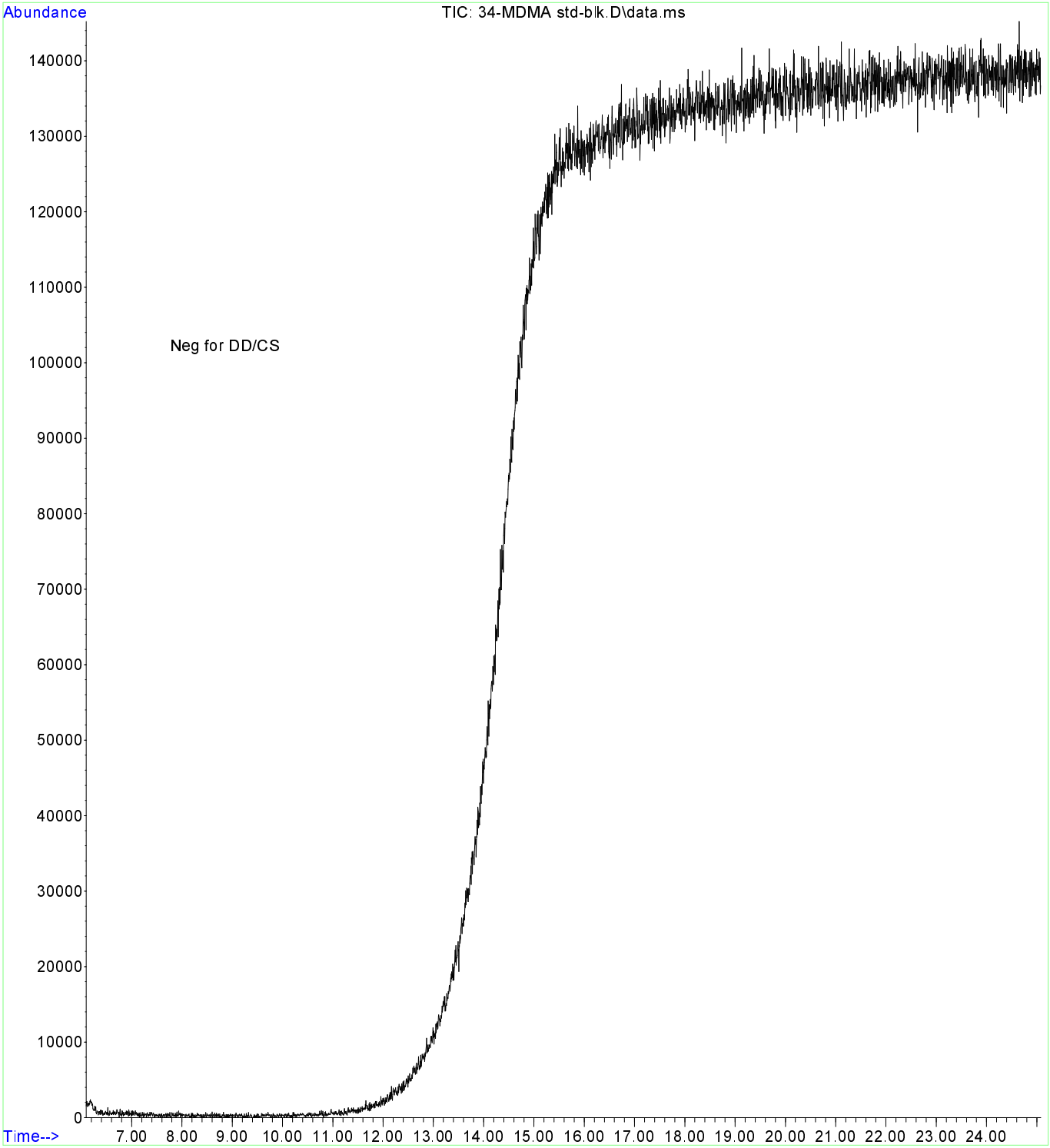


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File       :D:\MassHunter\GCMS\1\GCMS 3 data\2025 Data\092425\34-MDMA st
...         d.D
Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 25 Sep 2025  10:11     using AcqMethod DrugTest35.M
Sample Name: 3,4-MDMA std (R-25-0013)                          000002466
Misc Info  : RT determination                                  000002466
```





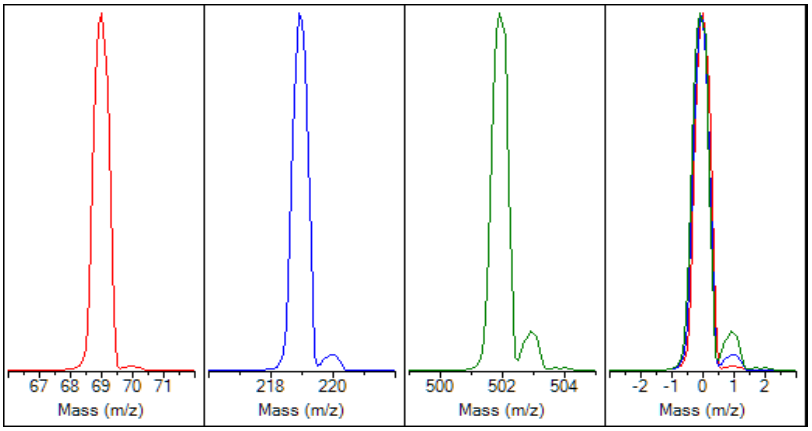
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... d-blk.D
Operator : DrugChem-HP\admin
Instrument : BCCL SD GCMS 3
Acquired : 25 Sep 2025 09:42 using AcqMethod DrugTest35.M
Sample Name: blank prior to 3,4-MDMA std (R-25-0013) 000002777
Misc Info : EtAc (C-22-0063A)/base extracted w/ R-24-059 000002780



Autotune - 5977

9/29/2025 7:37:49 AM (UTC-5:00) BCCL SD GCMS 3

D:\MASSHUNTER\GCMS\1\5977\atune.u US1329M205



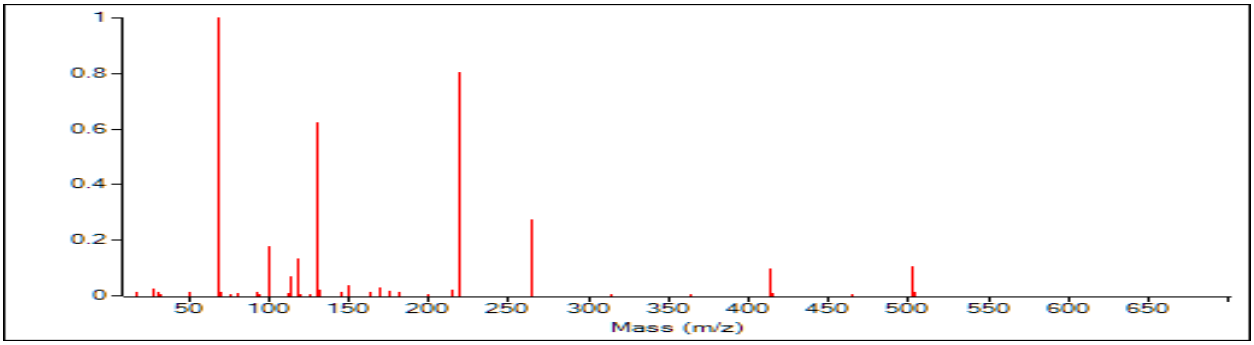
Ion Polarity	Pos	Mass Gain	-367
Emission	34.6	Mass Offset	-34
Electron Energy	70.0	Amu Gain	1674
Filament	2	Amu Offset	119.81
Repeller	32.31	Width219	-0.022
Ion Focus	90.3	DC Polarity	Pos
Entrance Lens	15.1	HED Enable	On
Ent Lens Offset	12.53	EM Volts	1970.5
Ion Body	0.00	Extractor Lens	0.00
		Scan Speed	3
		Averages	3
PFTBA	Open	Step Size	0.10

Temperatures and Pressures

MS Source	230	Turbo Speed	100.0
MS Quad	150	Hi Vac	8.76e-06

Mass	Abund	Rel Abund	Pw50
69.00	399,255	100.0%	0.60
218.90	323,883	81.1%	0.60
501.90	41,054	10.3%	0.60

Low	High	Step	Speed	Threshold	Peaks	Base	Abundance	Total Ion
10.00	701.00	0.10	3	100	107	69.00	379,840	1,400,848



Mass	Abund	Rel Abund	Iso Mass	Iso Abund	Iso Ratio
69.00	379,840	100.00	70.00	4,363	1.15
219.00	305,024	80.30	220.00	13,546	4.44
502.10	39,624	10.43	503.10	3,965	10.01

Air/Water Check: H20 ~1.3% N2 ~2.2% O2 ~0.4% CO2 ~0.2% N2/H20 ~173.0%

Column(1) Flow: 0.80 Column(2): 0.00 ml/min Interface Temp: 280

Ramp Criteria:

Ion Focus maximum 90 volts using ion 502; Electron Multiplier Gain 150684.570

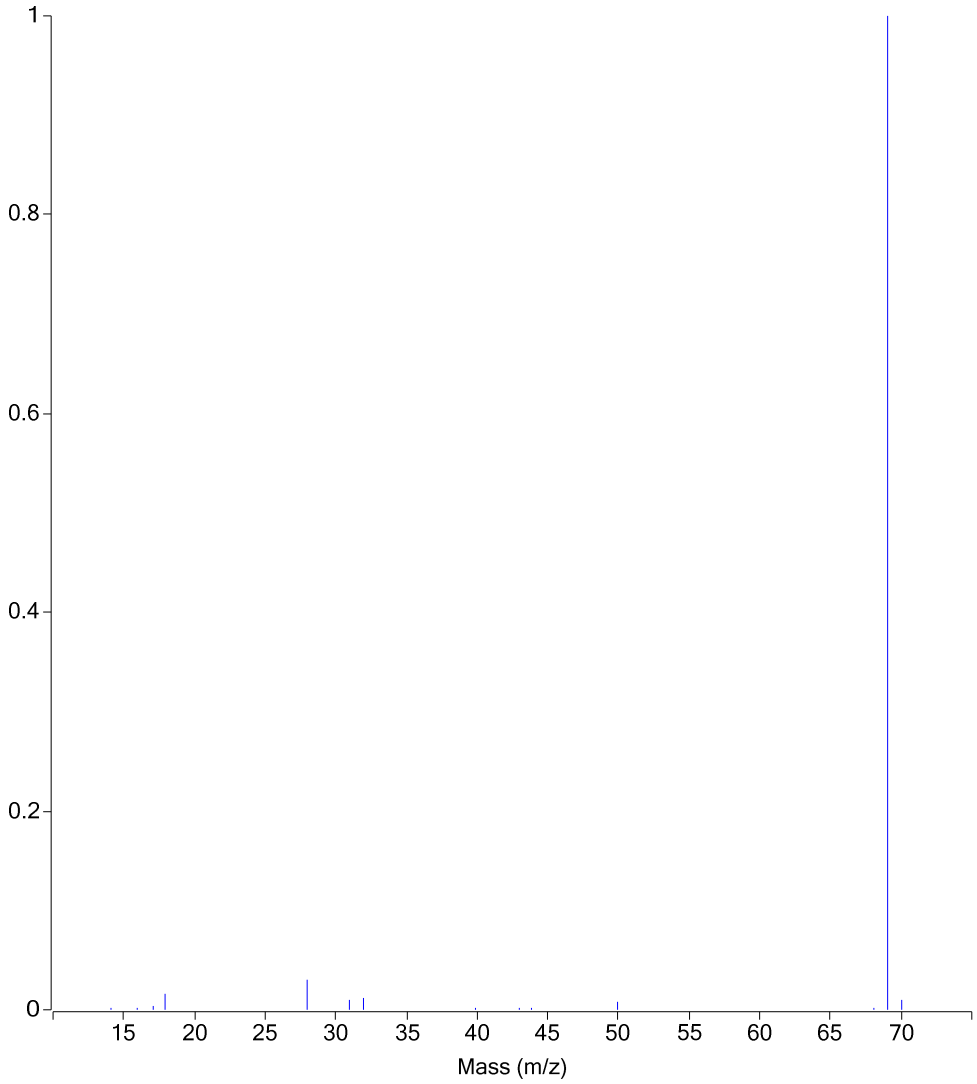
Repeller maximum 35 volts using ion 219; Gain Factor 1.5068

Mass Gain Values(Scan Speed): -349(3) -351(2) -312(1) -332(0) -331(FS1) -234(FS2)

TARGET MASS:	50	69	131	219	414	502	1050
Amu Offset	119.8	119.8	119.8	119.8	119.8	119.8	119.8
Entrance Lens Offset	12.5	12.5	12.5	12.5	12.5	12.5	12.5

597x Air and Water Check

Instrument: BCCL SD GCMS 3
Mon Sep 29 07:33:07 2025 D:\MassHunter\GCMS\1\5977\



Current Params used: atune.u

Relative abundances:

18/69 =	1.63	Water%	(counts=16976)
28/69 =	3.02	Nitrogen%	(counts=31504)
32/69 =	1.29	Oxygen%	(counts=13487)
44/69 =	0.25	Carbon Dioxide%	(counts=2642)
28/18 =	185.58	Nitrogen/Water%	

Instrument Name : BCCL SD GCMS 3
DC Polarity : Positive
Filament 2

BasePeak should be 69 or 219		OK
Position of mass 69	69.00	OK
Position of mass 219	219.00	OK
Position of mass 502	502.10	OK
Position of isotope mass 70	70.00	OK
Position of isotope mass 220	220.00	OK
Position of isotope mass 503	503.08	OK
Ratio of mass 70 to mass 69(0.5 - 1.6%)	1.08	OK
Ratio of mass 220 to mass 219(3.2 - 5.4%)	4.28	OK
Ratio of mass 503 to mass 502(7.9 - 12.3%)	10.08	OK
Ratio of 219 to 69 should be > 40% and is	81.94	OK
Ratio of 502 to 69 should be > 2.4% and is	10.84	OK
Mass 69 Precursor (<= 3%)	0.26	OK
Mass 219 Precursor (<= 6%)	0.83	OK
Mass 502 Precursor (<= 12%)	1.25	OK

597x Air and Water Check
Mon Sep 29 07:42:01 2025 Instrument: BCCL SD GCMS 3
D:\MASSHUNTER\GCMS\1\5977\atune.u US1329M205

Testing for a leak in the system

Ratio of 18 to 69 (<20%)	1.07	OK
Ratio of 28 to 69 (<10%)	2.00	OK
Electron Multiplier Voltage	1971	OK

Tune portion of System Verification passed.

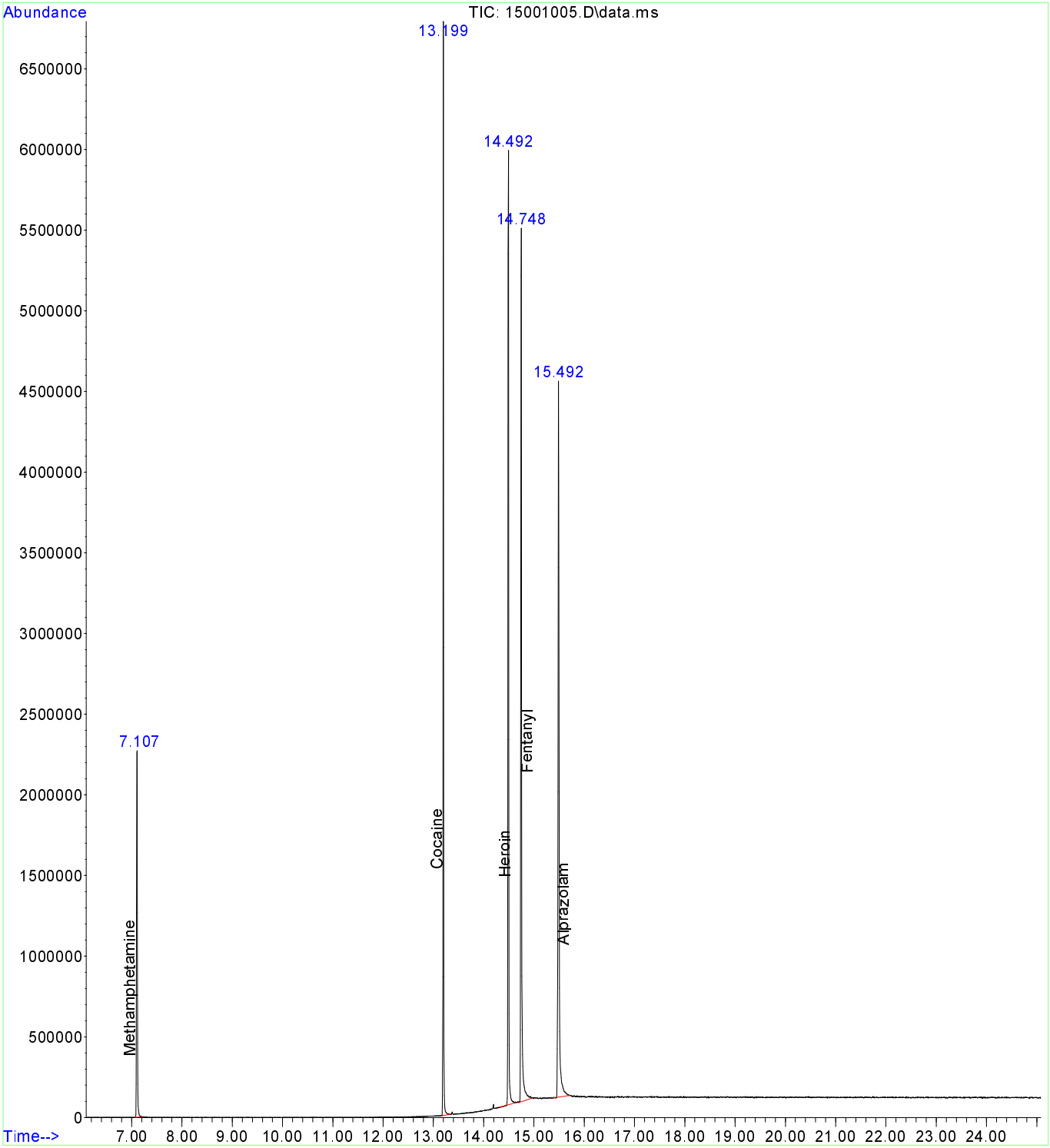
BCCL GC/MS #3
Retention Times for the Week of:

09/29/2025 - 10/05/2025

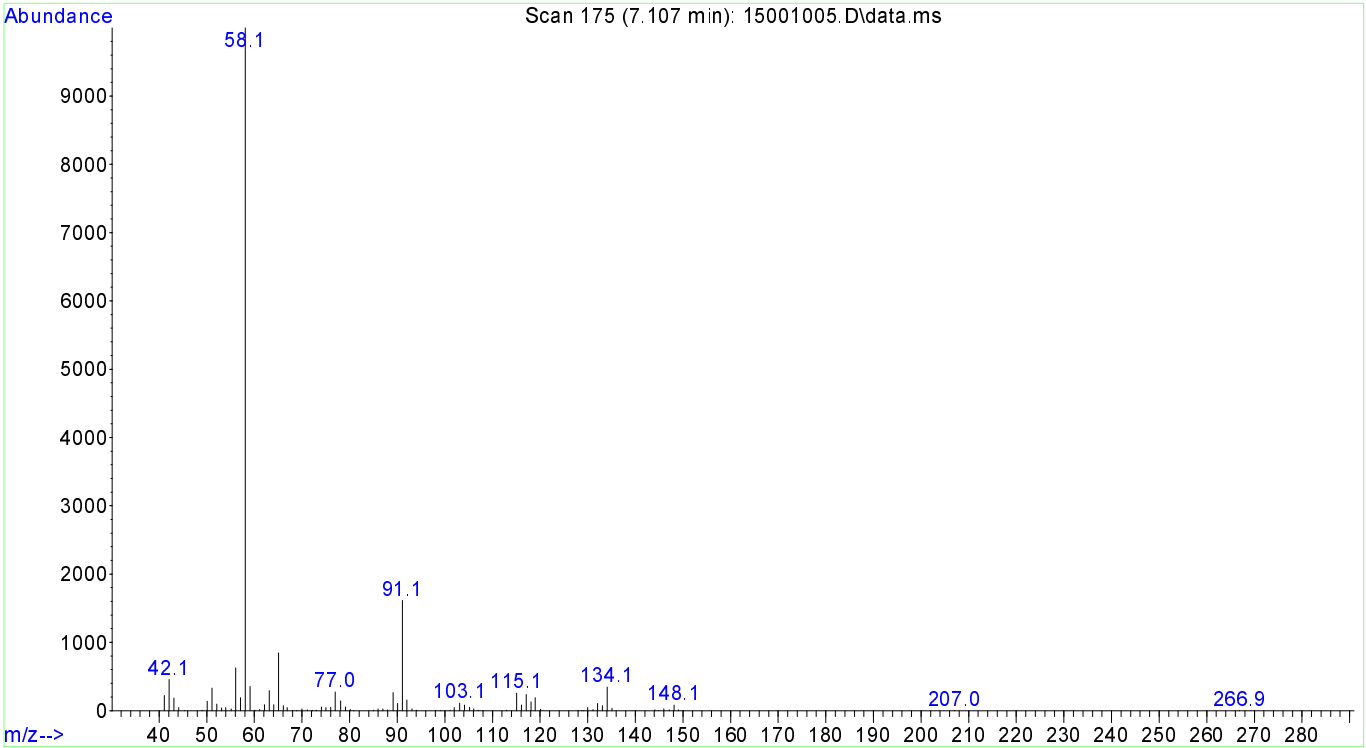
[X] **Tune: DS 09/29/2025 - Autotune**

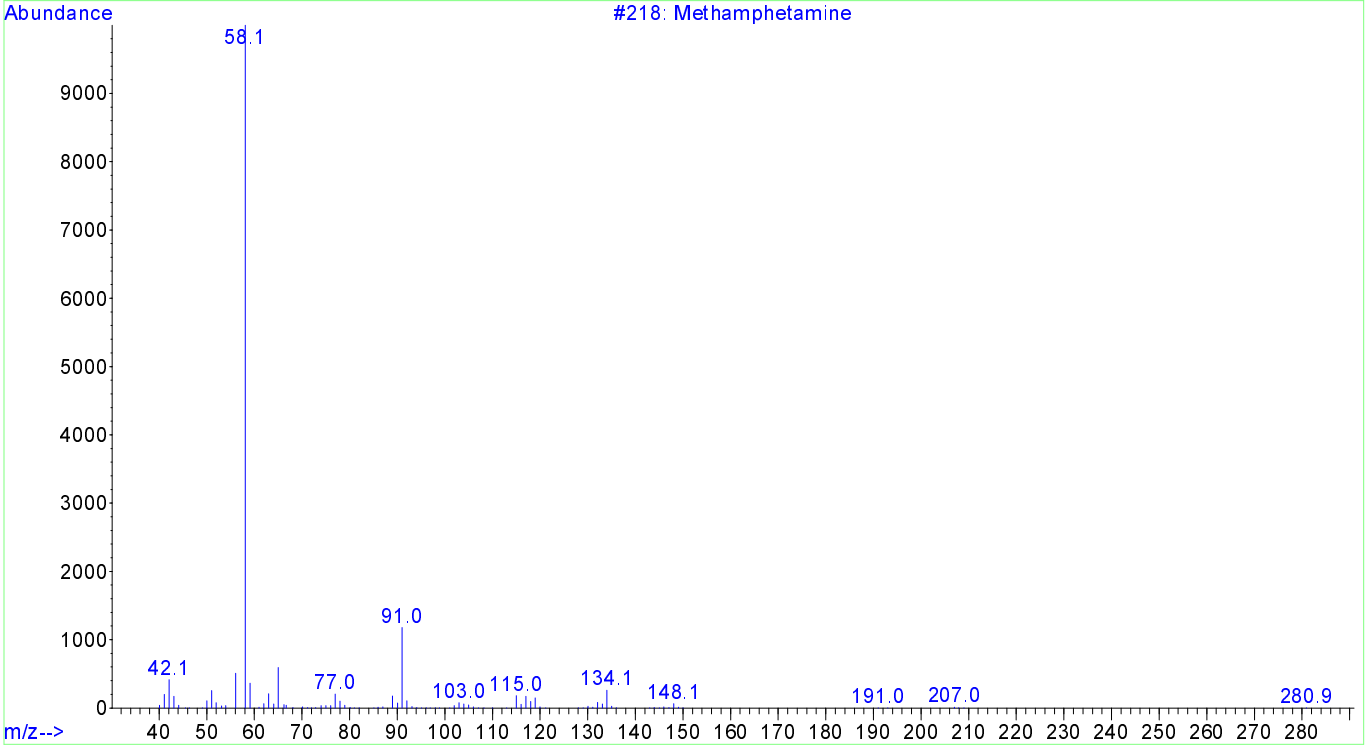
Standard	Standard #	Method	Retention Time	1% Window	
Methamphetamine	R-25-0018	DrugTest35	7.107	7.035	7.178
Cocaine	R-25-0018	DrugTest35	13.199	13.067	13.330
Heroin	R-25-0018	DrugTest35	14.492	14.347	14.636
Fentanyl	R-25-0018	DrugTest35	14.748	14.600	14.895
Alprazolam	R-25-0018	DrugTest35	15.492	15.337	15.646

```
File       :D:\MassHunter\GCMS\1\GCMS 3 data\Standards\Weekly Check\2025
...          Data\092925\15001005.D
Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 29 Sep 2025  09:37     using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-25-0018)                  000002285
Misc Info  :                                                 000002285
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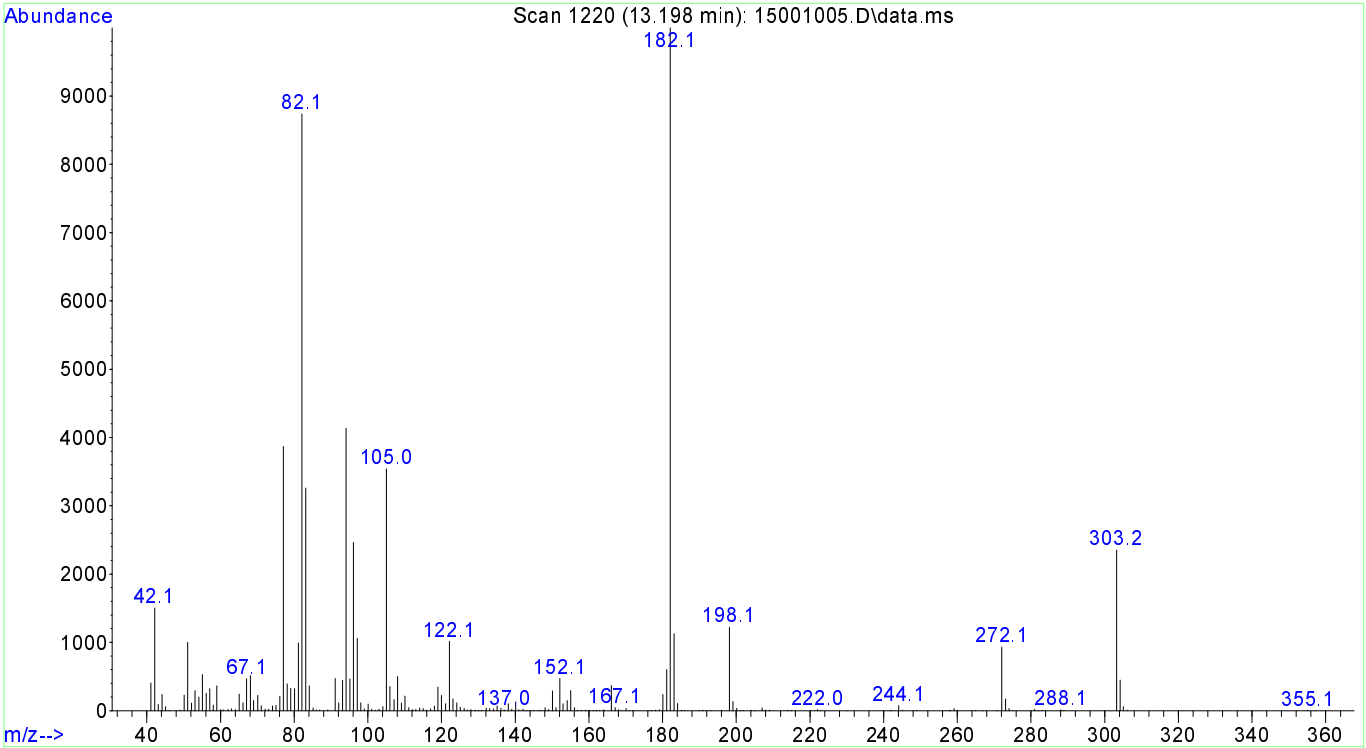


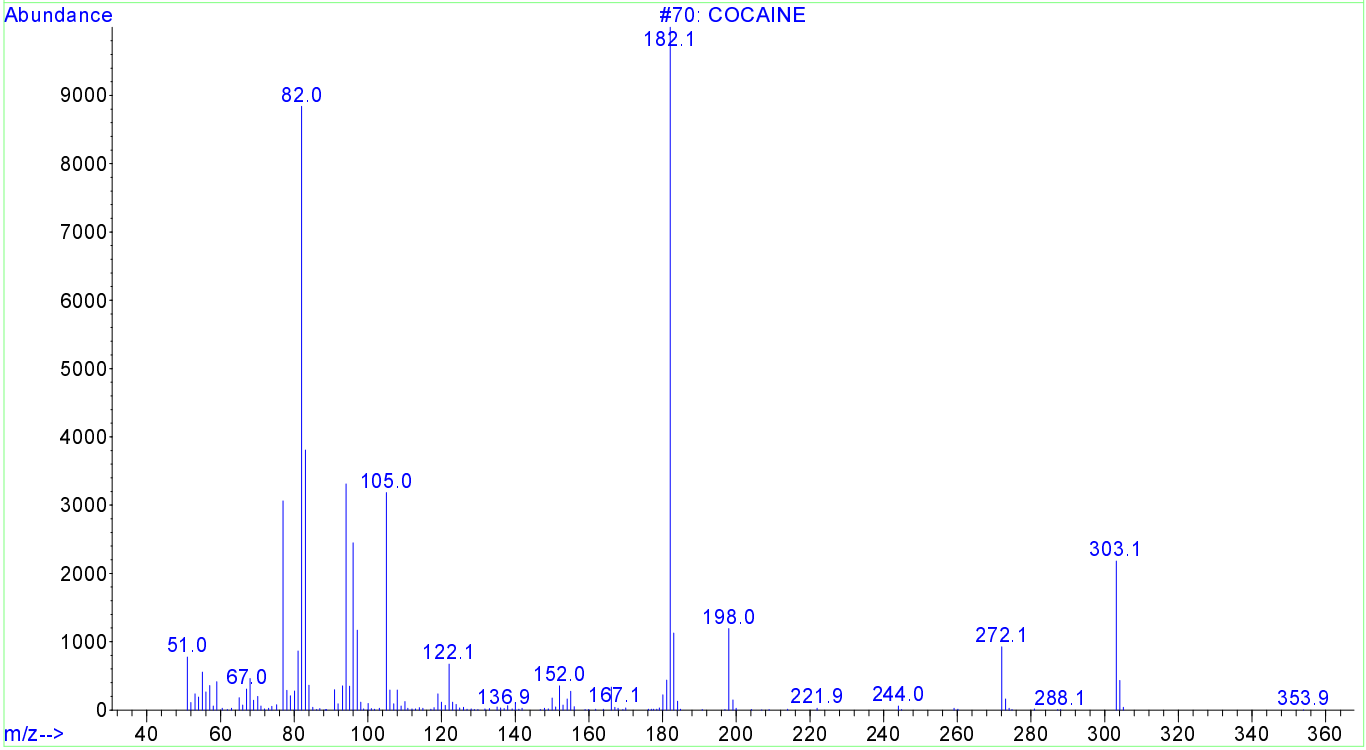
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Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 29 Sep 2025  09:37     using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-25-0018)                  000002285
Misc Info  :                                                 000002285
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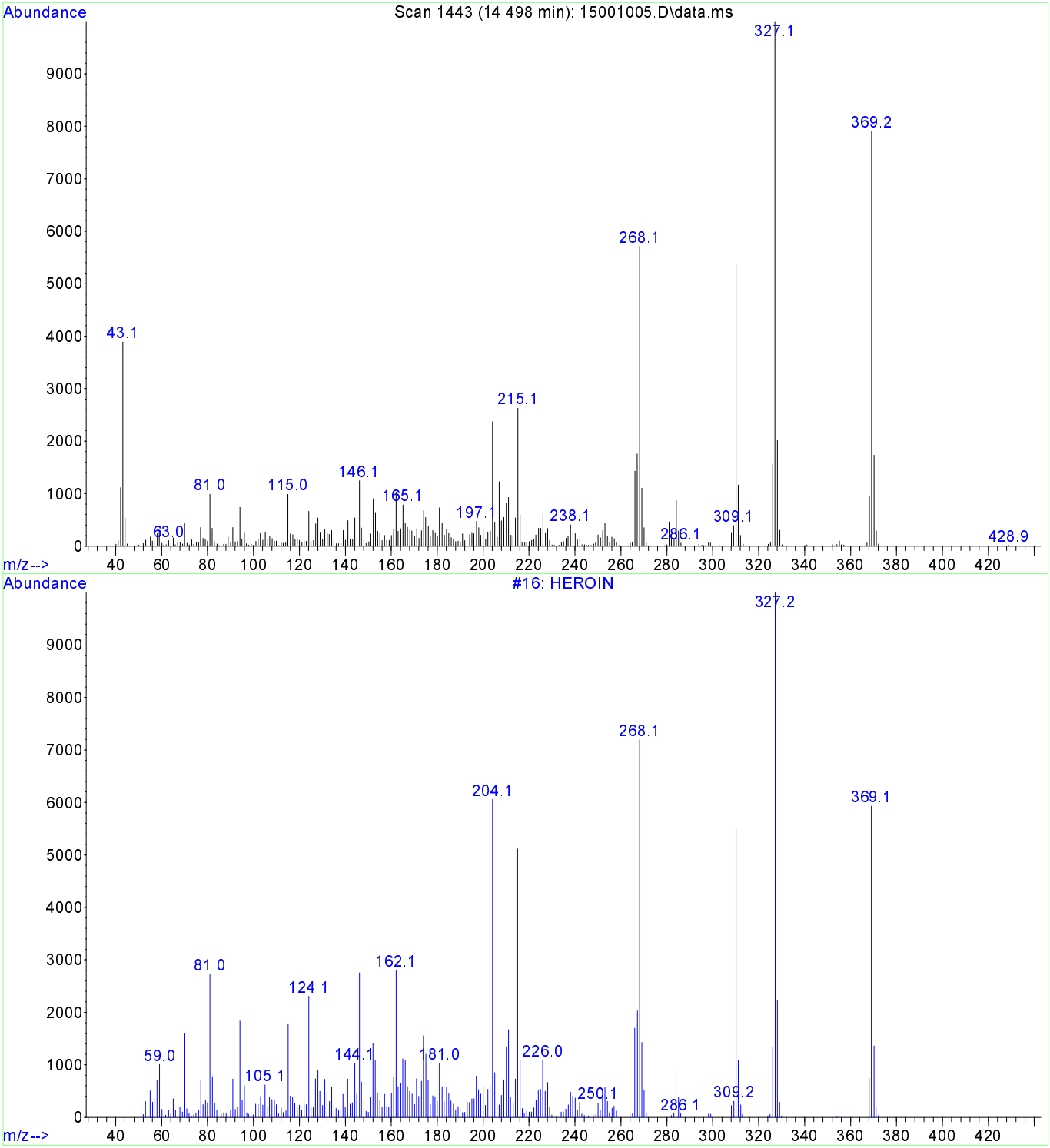


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Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 29 Sep 2025  09:37     using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-25-0018)                  000002285
Misc Info  :                                                 000002285
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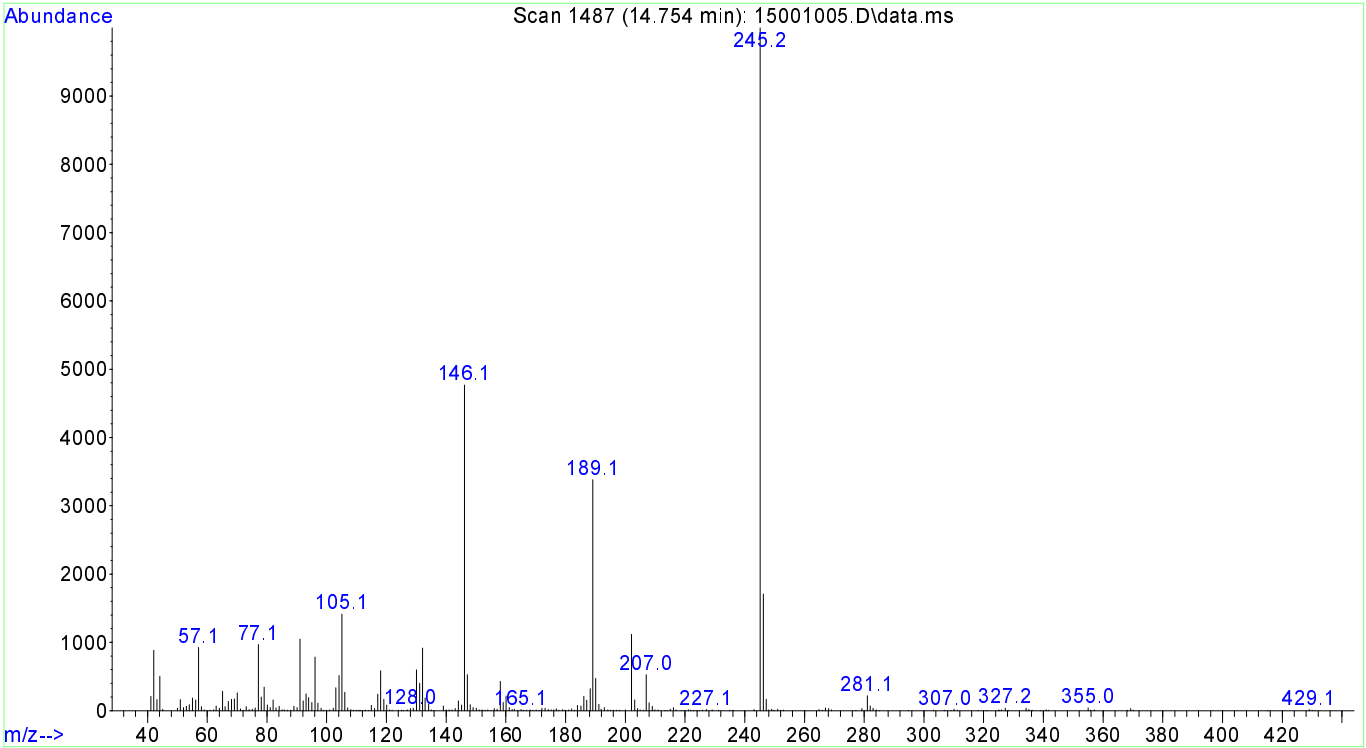


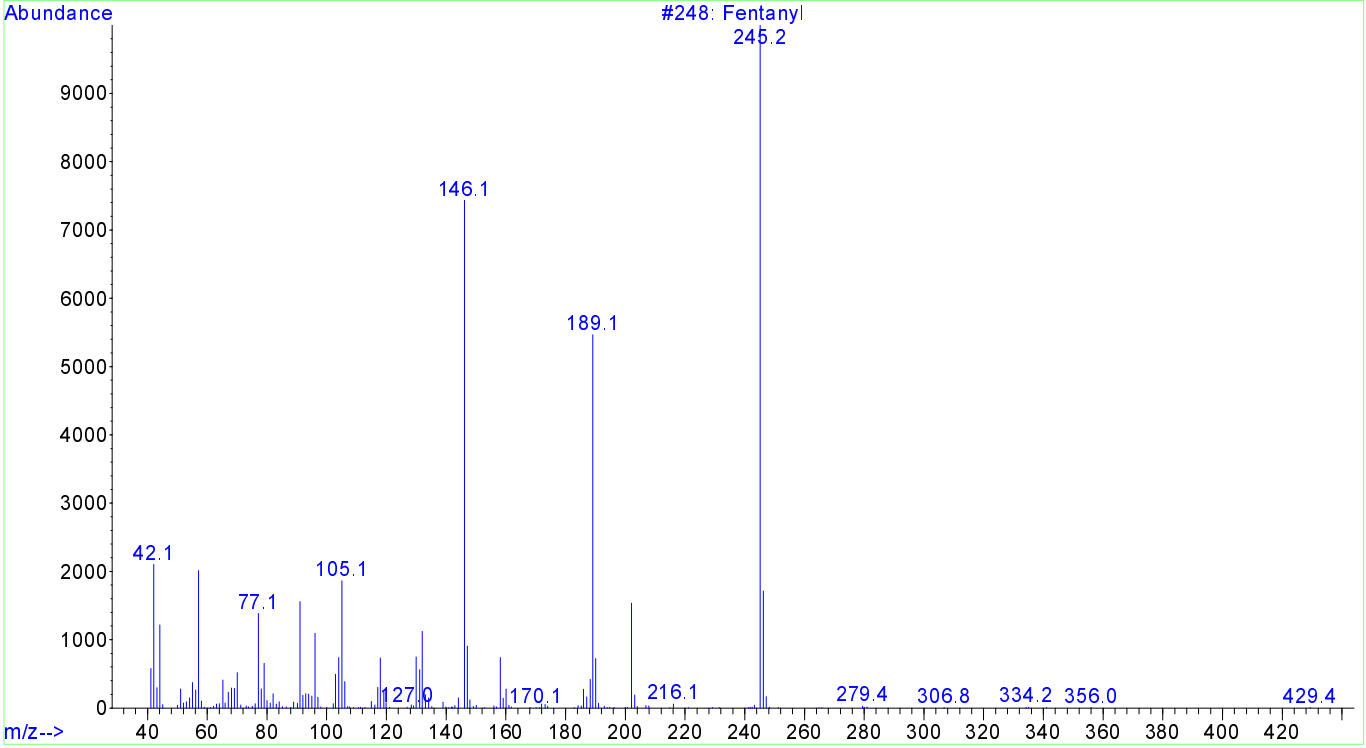


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...          Data\092925\15001005.D
Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 29 Sep 2025  09:37     using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-25-0018)                  000002285
Misc Info  :                                                 000002285
```

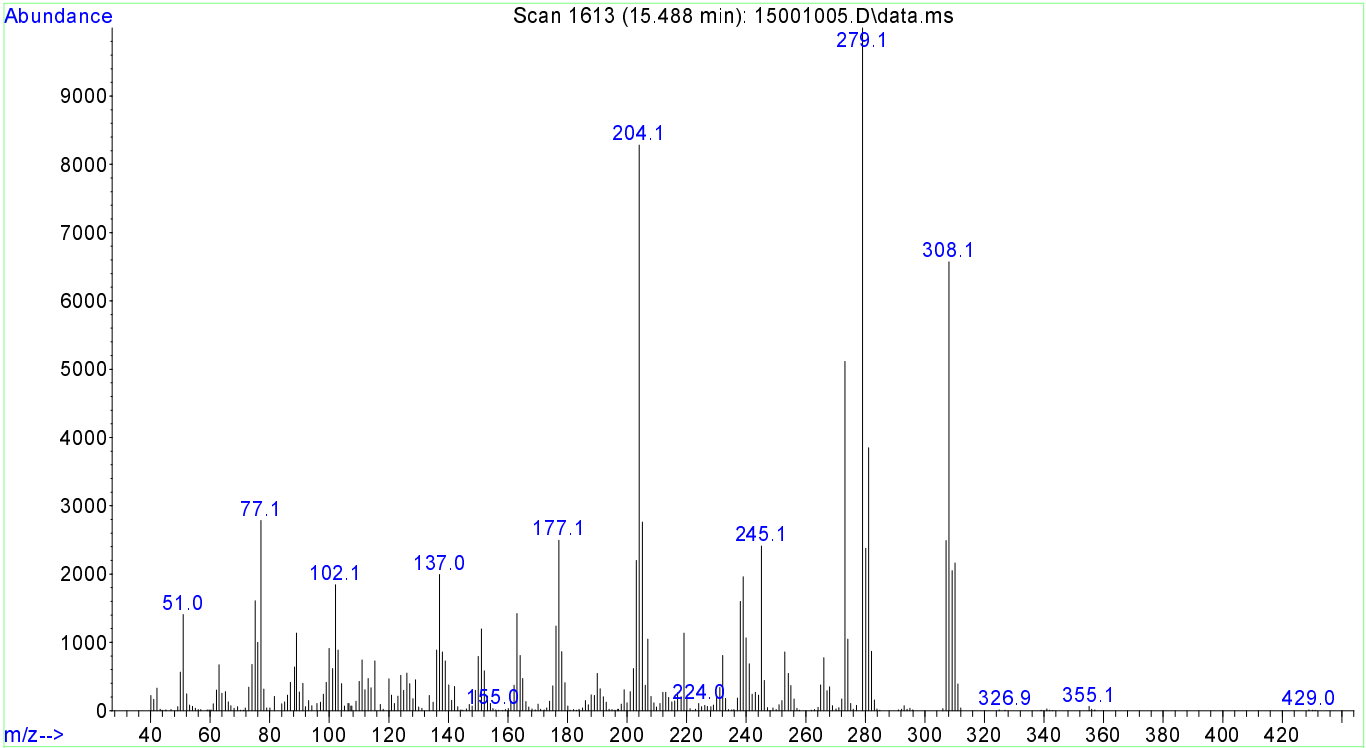


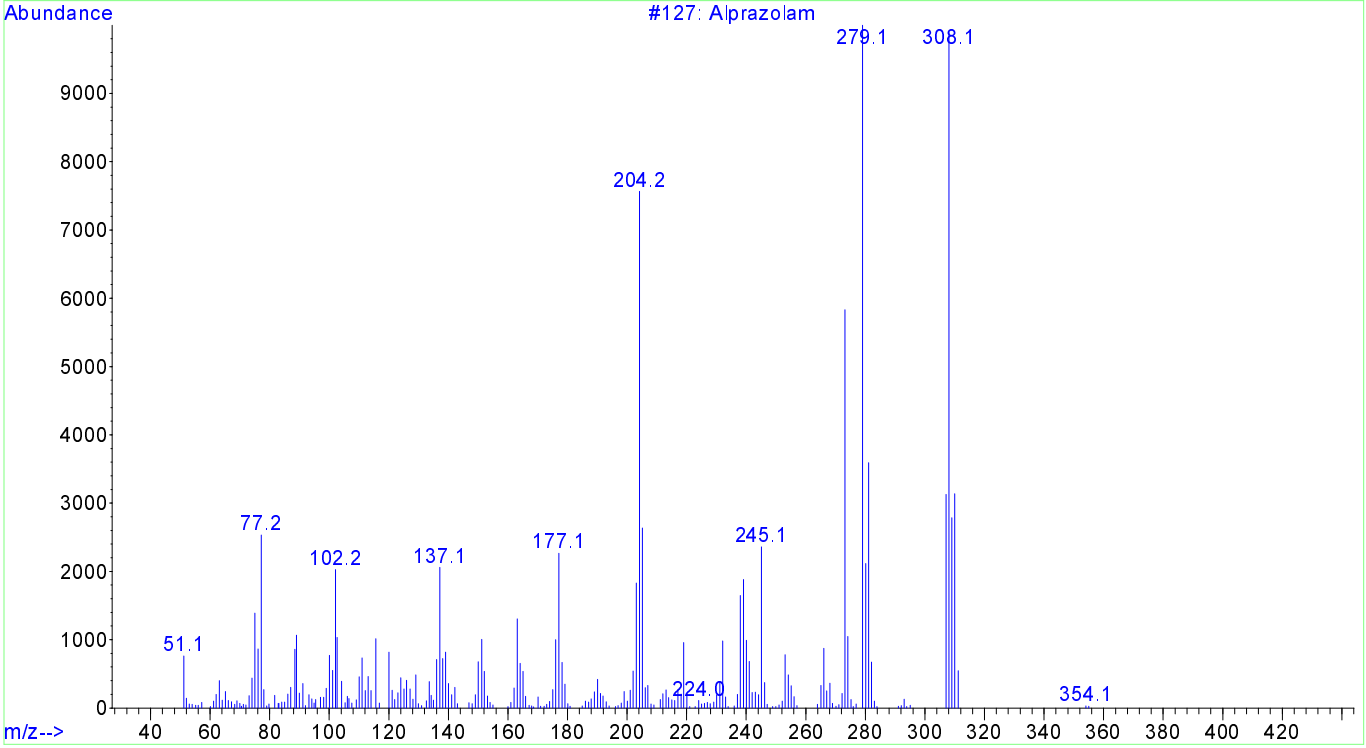
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...          Data\092925\15001005.D
Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 29 Sep 2025  09:37     using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-25-0018)                  000002285
Misc Info  :                                                 000002285
```



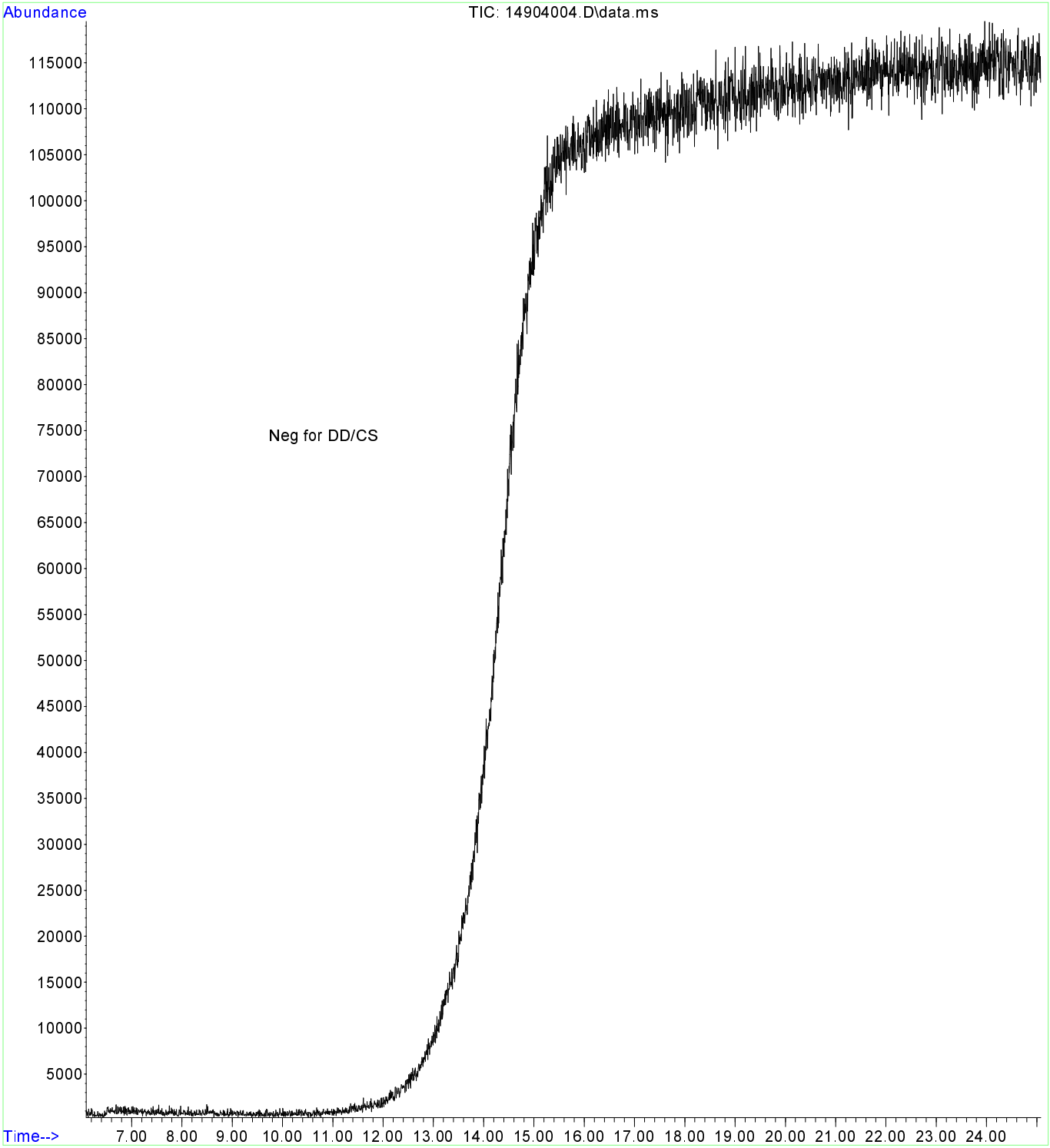


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File       :D:\MassHunter\GCMS\1\GCMS 3 data\Standards\Weekly Check\2025
...          Data\092925\15001005.D
Operator   : DrugChem-HP\admin
Instrument :   BCCL SD GCMS 3
Acquired   : 29 Sep 2025  09:37     using AcqMethod DrugTest35.M
Sample Name: CAYMAN GC/MS MIX 3 (R-25-0018)                  000002285
Misc Info  :                                                 000002285
```





File :D:\MassHunter\GCMS\1\GCMS 3 data\Standards\Weekly Check\2025
... Data\092925\14904004.D
Operator : DrugChem-HP\admin
Instrument : BCCL SD GCMS 3
Acquired : 29 Sep 2025 09:08 using AcqMethod DrugTest35.M
Sample Name: BLANK (C-20-0051A) PRIOR TO CAYMAN GC/MS MIX 3 (R-25-0018) 000002078
Misc Info : 000002078



File :D:\MassHunter\GCMS\1\GCMS 3 data\Standards\Weekly Check\2025
... Data\092925\14901006.D
Operator : DrugChem-HP\admin
Instrument : BCCL SD GCMS 3
Acquired : 29 Sep 2025 10:05 using AcqMethod DrugTest35.M
Sample Name: BLANK (C-20-0051A) - INSTRUMENT READY 000002078
Misc Info : 000002078

